SECURITY TRONIX®

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ST-IP4FTD-2.8

QUICK START GUIDE

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SYMPHONIC DESIGNS

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Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.

About this Manual

This manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation purposes 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 on the company website

Please use this user manual under the guidance of professionals.

Legal Disclaimer

REGARDING THE PRODUCT WITH INTERNET ACCESS, THE USE OF THE PRODUCT SHALL BE WHOLLY AT YOUR OWN RISKS. OUR COMPANY SHALL NOT TAKE ANY RESPONSIBILITES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, OUR COMPANY WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

SURVEILLANCE LAWS VARY BY JURISDICTION. PLEASE CHECK ALL RELEVANT LAWS IN YOUR JURISDICTION BEFORE USING THIS PRODUCT IN ORDER TO ENSURE THAT YOUR USE CONFORMS TO THE APPLICABLE LAWS. OUR COMPANY SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED FOR ILLEGITIMATE PURPOSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

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

WARNING: THIS PRODUCT CAN EXPOSE YOU TO POLYBROMINATED BIPHENYLS, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO WWW.PROP65WARNINGA.CA.GOV

- When using this 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.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.
- 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 should 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

- 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 a clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period, please cap the lens 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 the sensor at the same time.
- The sensor may be damaged by a laser beam, so when any laser equipment is in use, make sure that the surface of the sensor will not be exposed to the laser beam.
- Do not place the camera in extremely hot, cold (the operating temperature should be -22°F to +140°C), dusty or damp locations, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, good ventilation is required in the operating environment.
- Keep the camera away from liquid while in use.
- During transport, the camera should be packed in its original packing, or packing of the same type.
- Improper use or replacement of the battery may result in explosion hazard. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to

disassemble the camera yourself. (SecurityTronix shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

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1 Appearance Description

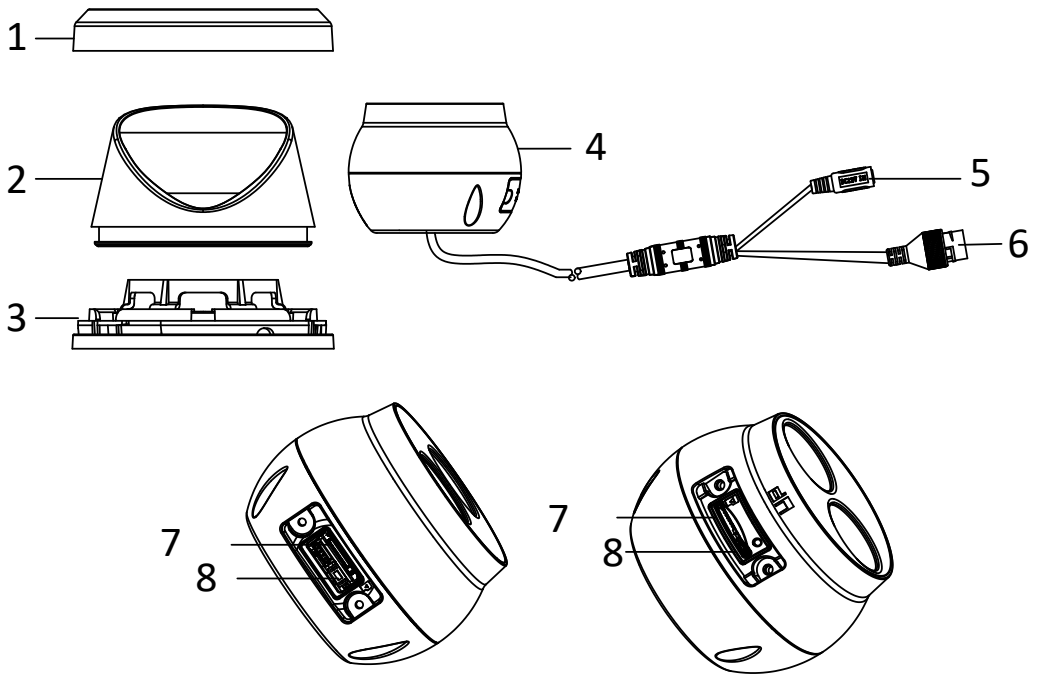

Figure 1-1 Overview of Camera

Table 1-1 Description of Camera

No.	Description	No.	Description
1	Trim Ring	2	Enclosure
3	Mounting Base	4	Camera
5	Power Interface	6	Network Interface

No.	Description	No.	Description
7	Memory Card Slot	8	Reset Button

Note:

Press RESET about 10s when the camera is powering on or rebooting to restore the default settings, including the user name, password, IP address, port No., etc.

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 (802.3 af), please make sure your power supply matches the camera's.
- Make sure all the attached equipment is powered off during installation.
- Make sure that the wall is strong enough to withstand four times the weight of the camera and the bracket (if applicable).

Pay attention to the following precautions to prevent IR reflection:

- Dust or grease on the dome cover will cause IR reflection. Please do not remove the dome cover film until the installation is finished. If there is dust or grease on the dome cover, clean the dome cover with clean soft cloth and isopropyl alcohol.
- 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.
- The foam ring around the lens must be seated flush against the inner surface of the bubble to isolate the lens from the IR LEDS. Fasten the dome cover to the camera body so that the foam ring and the dome cover are attached seamlessly.

2.1 Memory Card Installation

1. Disassemble the camera.

   1). Rotate the trim ring anticlockwise to take it off from the camera.

   2). Loosen the fixing screw. Take the mounting base off from the camera and the enclosure.

   3). Separate the camera and the enclosure.

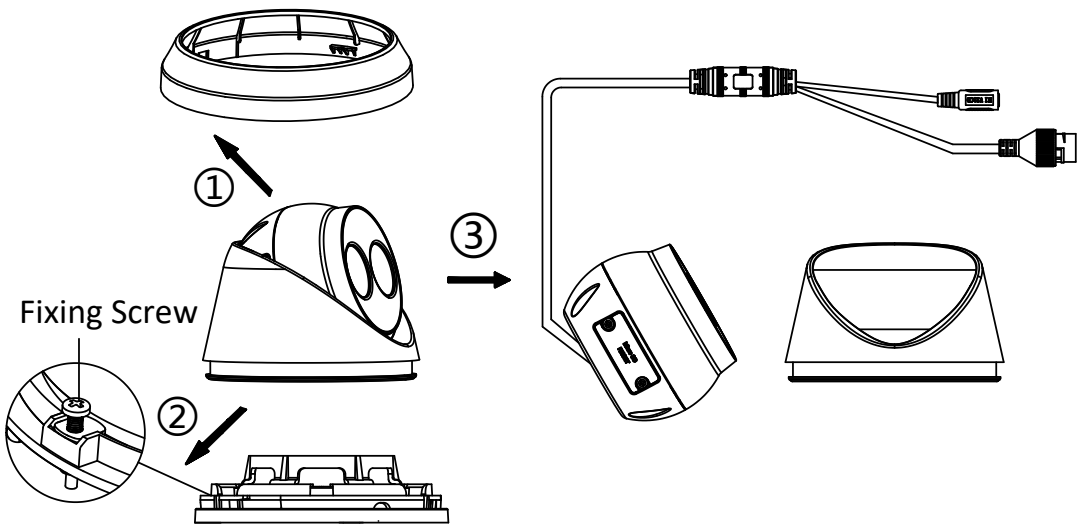

Figure 2-1 Disassemble the Camera

2. Install memory card.

   1). Unscrew the memory card slot cover.

   2). Insert the memory card.

   3). (Optional) to unmount the memory card, push to eject.

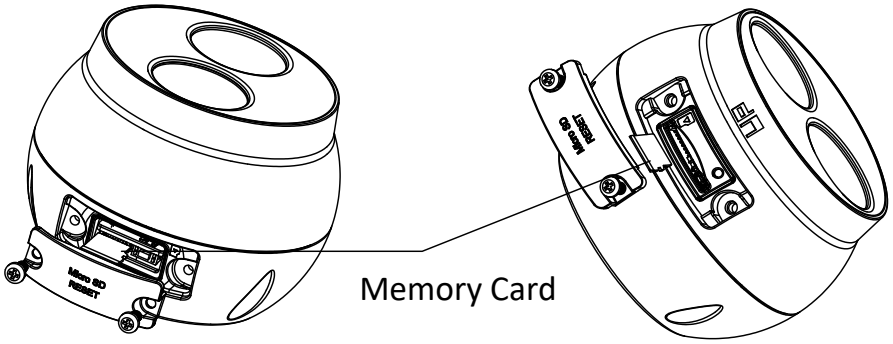

Figure 2-2 Memory Card Installation

2.2 Ceiling Mounting

1. Stick the drill template to the desired mounting location.
2. Drill the screw holes according to the drill template.

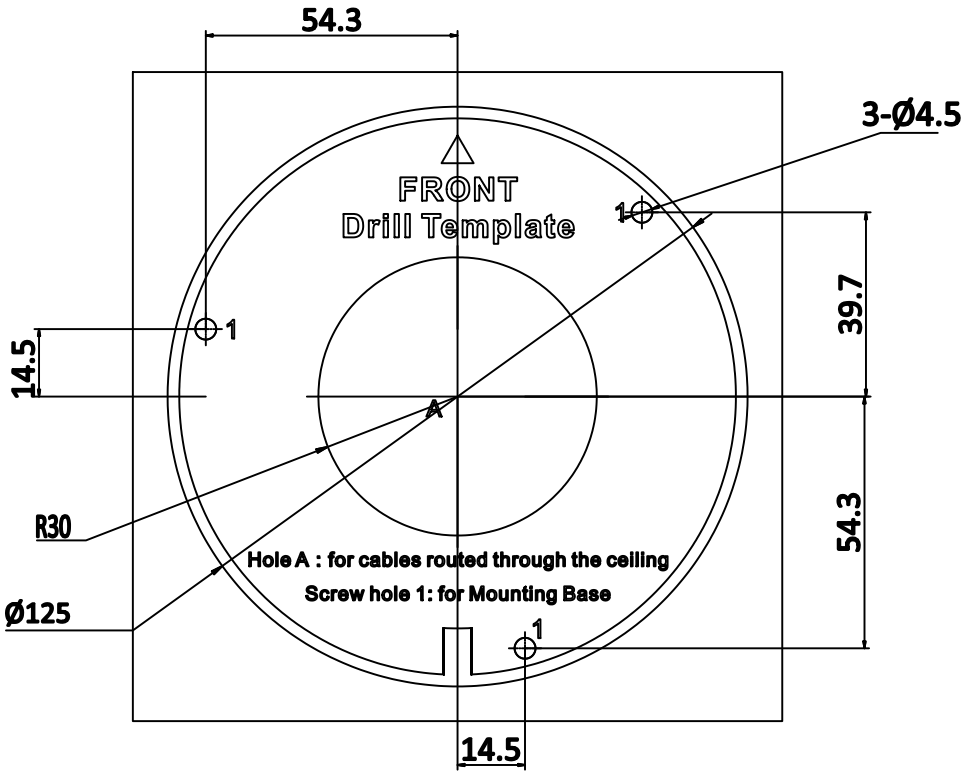

Figure 2-3 Drill Template

Notes:

- If you choose to route the cables through the ceiling, cut a cable hole according to Hole A on the drill template.
- You can also route the cable through the side outlet.
- If you install the camera outdoors, install the water-proof jacket to the network cable. See Section 2.4.

3. Route the cables and fix the mounting base on the ceiling with the three supplied screws.

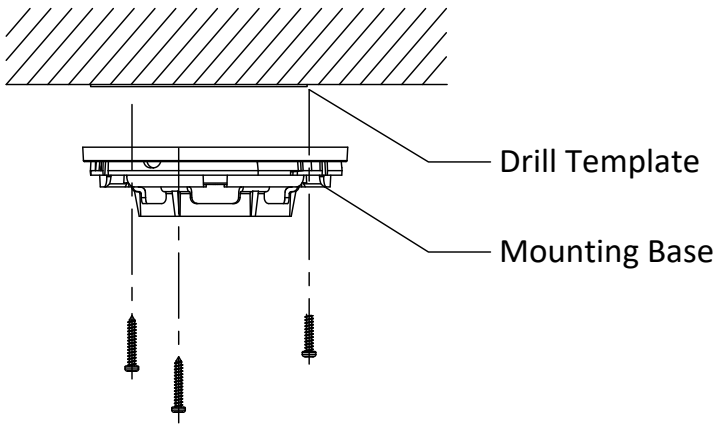

Figure 2-4 Fix the Mounting Base

4. Install the camera along with the enclosure to the mounting base.

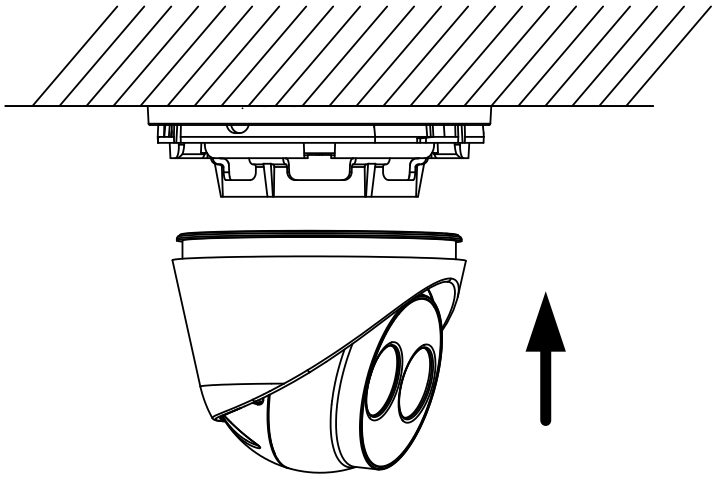

Figure 2-5 Install the Camera

5. Adjust the viewing angle of the camera (aim). Secure the fixing screw after adjustment.

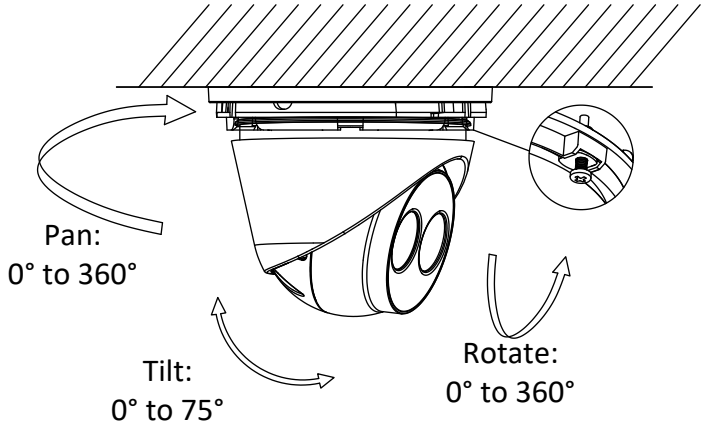

Figure 2-6 Adjust Viewing Angle

6. Attach the trim ring to the camera and rotate the trim ring clockwise until it is secured.

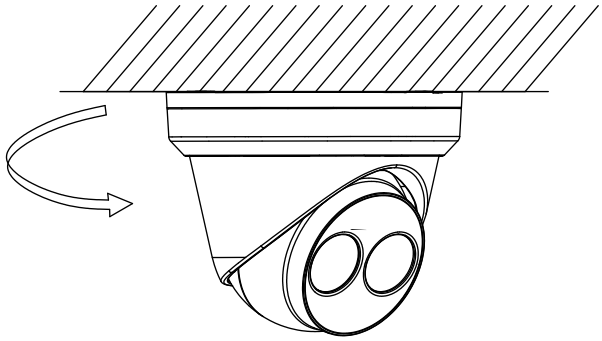

Figure 2-7 Install Trim Ring

2.3 Mounting with Brackets

This camera series supports mounting with wall mounting brackets, and pendant mounting brackets.

2.3.1 Wall Mounting

The wall mounting bracket is not included in the package.

1. Mark the screw holes on the desired mounting location.

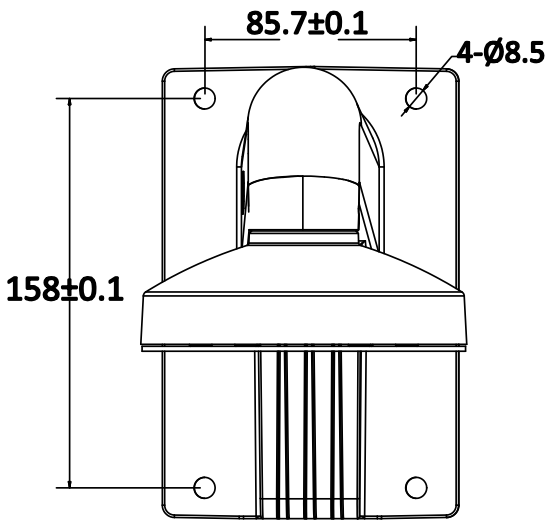

Figure 2-8 Mark Screw Holes

2. Drill four screw holes with a Φ10 mm drill.
3. Route the cables and fix the bracket with four M6 expansion bolts.
4. Disassemble the camera.
   Refer to step 1 in section 2.1.
5. Fix the mounting base to the cap of the wall mount with the 3 supplied self-tapping screws.

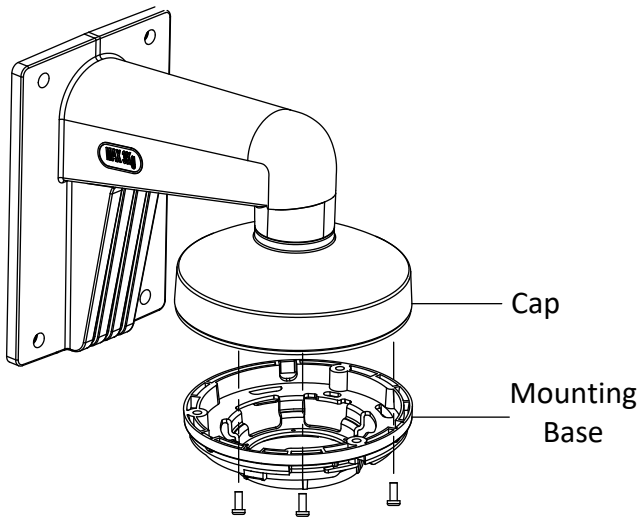

Figure 2-9 Fix Mounting Base

6. Connect the corresponding power/network cable.
   Note: If you install the camera outdoors, install the water-proof jacket to the network cable. See Section 2.4.
7. Install the camera and the enclosure to the mounting base, adjust the viewing angle (aim), and fix the trim ring. Refer to steps 4 through 6 in section 2.2.

2.3.2 Pendant Mounting

The pendant mounting bracket is not included in the package.

1. Mark the screw holes on the desired mounting location.
2. Drill three screw holes for the supplied expansion bolts.
3. Route the cables and fix the pendant mounting bracket to the mounting location.

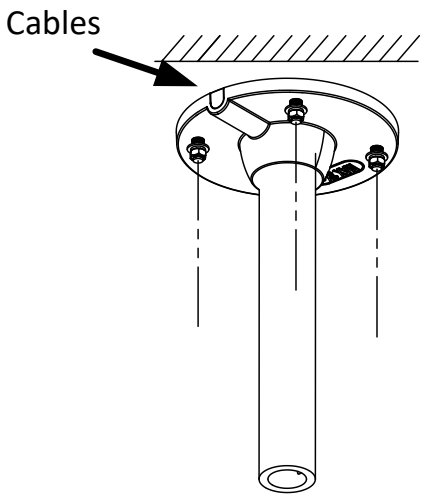

Figure 2-10 Fix the Pendant Mount

4. Disassemble the camera.
   Refer to step 1 in section 2.1.
5. Fix the mounting base to the cap of the pendant mounting bracket with 3 supplied self-tapping screws.

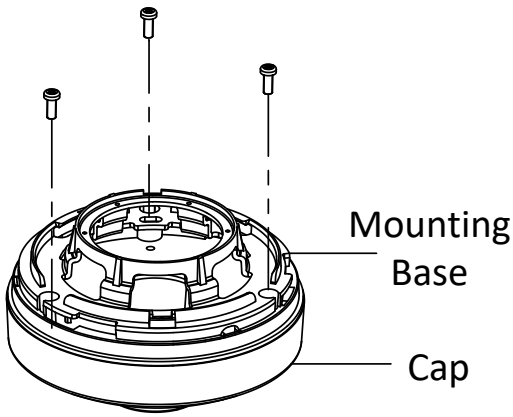

Figure 2-11 Fix Mounting Base

6. Screw the cap to the pendant mount.

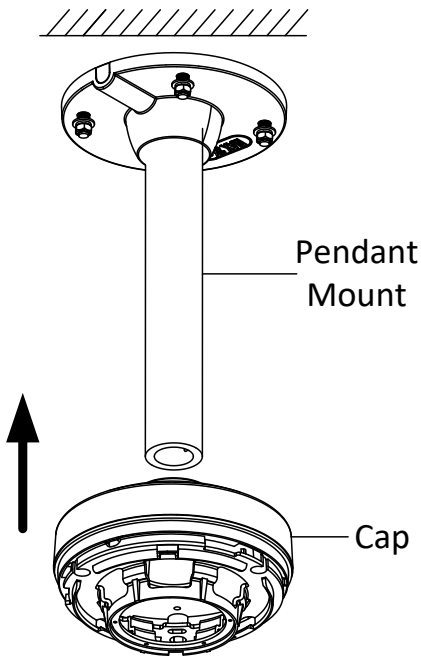

Figure 2-12 Install the Cap

7. Connect the corresponding power/network cable.
   Note: If you install the camera outdoors, install the water-proof jacket to the network cable. See Section 2.4.

8. Install the camera and the enclosure to the mounting base, adjust the viewing angle (aim), and fix the trim ring.
   Refer to steps 4 through 6 in section 2.2.

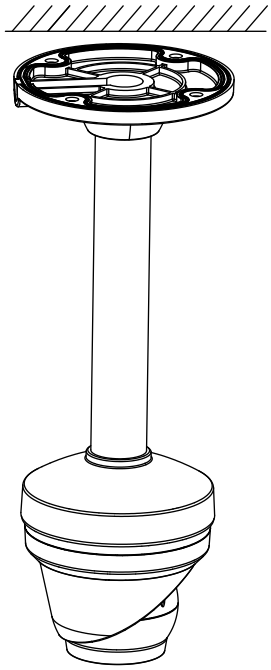

Figure 2-13 Pendant Mounting

2.4 Network Cable Water-proof Jacket Installation (Optional)

If the camera is installed outdoors, install the water-proof jacket to the network cable after the camera is secured on the installation surface.

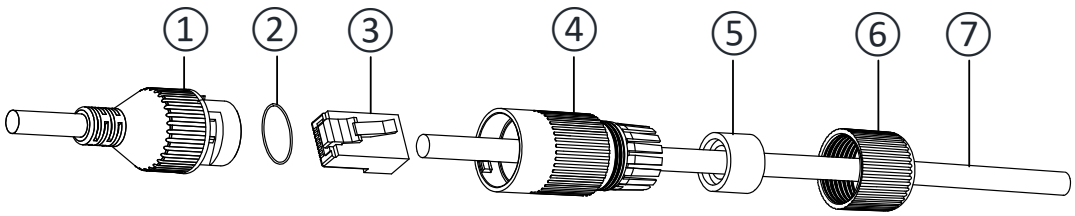

Figure 2-14 Water-proof Accessory Components

Table 2-1 Components

No.	Components
1	Camera's RJ45 Port
2	O-Ring Gasket
3	RJ45 Termination
4	Waterproof Coupler
5	Compression Gasket
6	Compression Ring
7	Network Cable from Router/Switch/NVR

Steps:

1. Feed the unterminated network cable ⑦ through the compression ring ⑥, compression gasket ⑤ (compression gasket groove must face waterproof coupler), and the water-proof coupler ④ in the order shown in Figure 2-26 .
2. Crimp an RJ-45 termination ③onto the end of the network cable ⑦ , taking care to insert the twisted pairs of wires in correct order.
3. Place the O-ring gasket ② onto the end of the camera's RJ45 port ①.
4. Insert the RJ45 termination ③ into the camera's RJ45 port ①.
5. Insert the compression gasket ⑤ into the waterproof coupler ④, and secure the compression ring ⑥ to the water-proof coupler ④.
6. Align the ridge on the water-proof coupler ④ with the notch on the camera's RJ45 port ①**,** and then secure the water-proof coupler ④ to the camera's RJ45 port ① to finish installation.

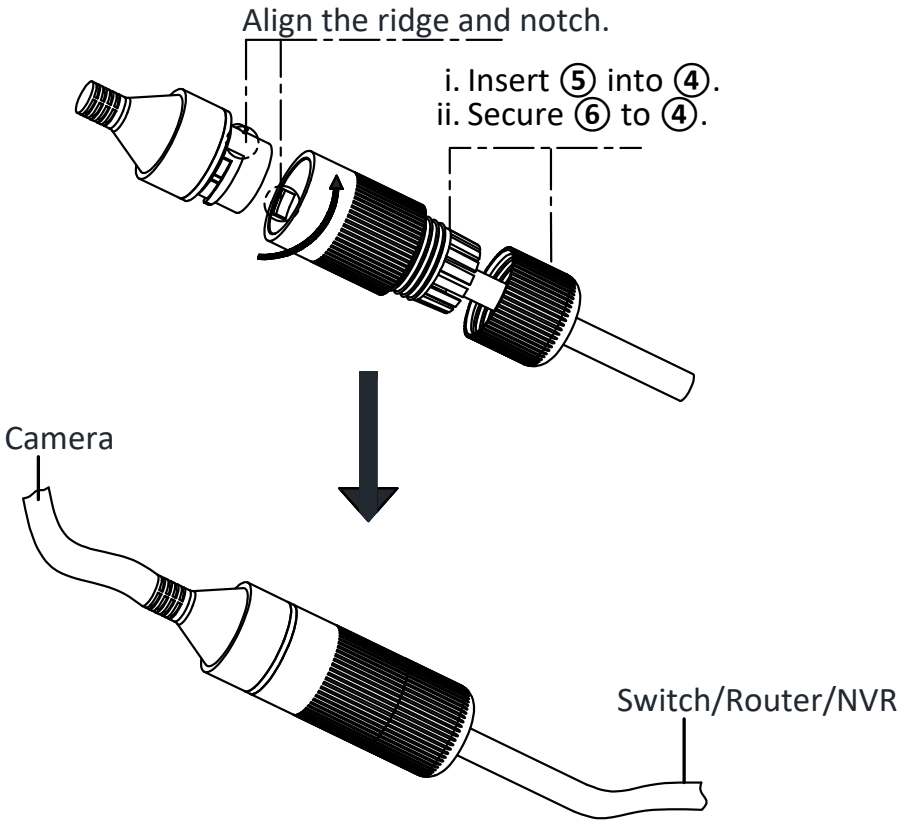

Figure 2-15 Water-proof Jacket Installation

3 Configuring the Camera over the LAN

Note:

By using this product, you acknowledge that the use of the product with Internet access might present network security risks. For avoidance of any network attacks and information leakage, please strengthen your network protection.

If the product does not work properly, contact your dealer or the nearest service center for help.

3.1 Wiring

Connect the camera to network according to the following figures.

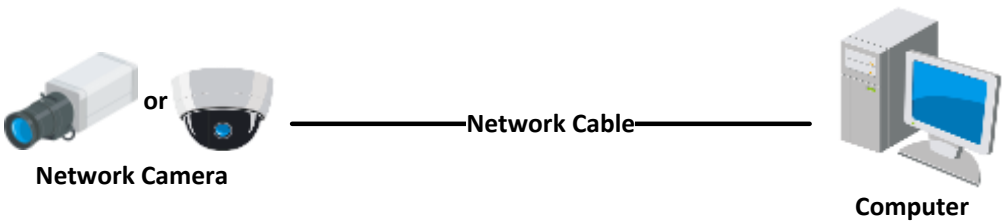

Figure 3-1 Connecting Directly

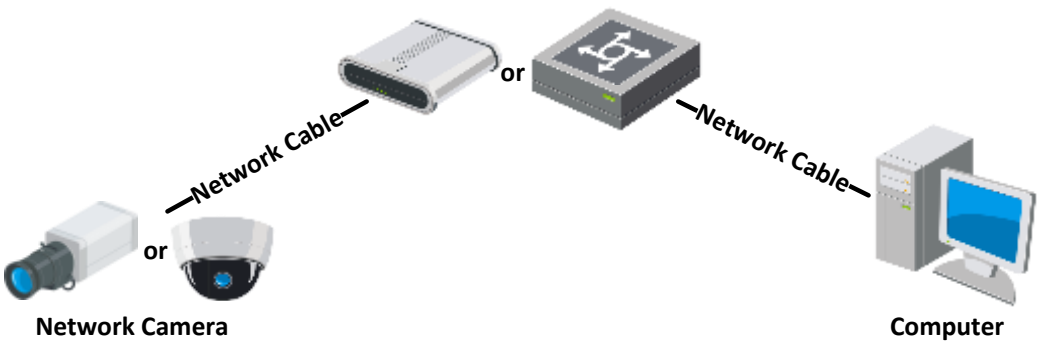

Figure 3-2 Connecting via a Switch or a Router

3.2 Activating the Camera

You are required to activate the camera first by setting a strong password for it before you can use the camera.

Activation via Web Browser, activation via SADP, and activation via Client Software are all supported. Activation via SADP software and activation via web browser will be shown as examples to illustrate camera activation.

3.2.1 Activation via Web Browser

1. Power on the camera. Connect the camera to your computer or the switch/router which your computer is connected to.
2. Input the IP address of the camera into the address bar of the web browser, and press Enter to enter the activation interface.

   Notes:

   - The default IP address of the camera is 192.168.1.64.
   - The computer and the camera should belong to the same subnet.

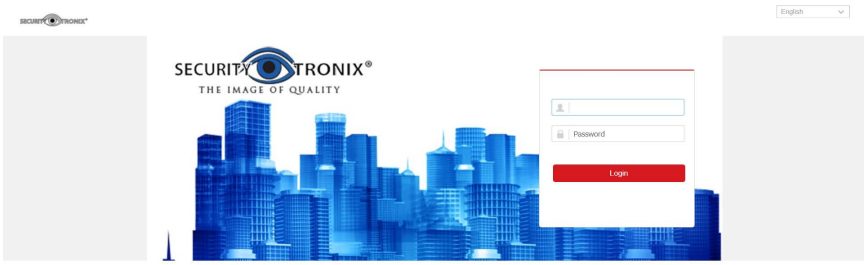

Figure 3-3 Activation Interface(Web)

3. Create a password and input the password into the password field.

STRONG PASSWORD RECOMMENDED– *We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. We recommend you reset your password regularly, especially in high security systems, resetting the password monthly or weekly can better protect your product.*

4. Confirm the password.
5. Click **OK** to save the password and enter the live view interface.

3.2.2 Activation via SADP Software

SADP software is used for detecting cameras on the network, activating cameras, and resetting camera passwords.

Obtain the SADP software from the supplied disk or the official website, and install SADP according to the prompts.

1. Run the SADP software to search for cameras on the LAN.
2. Select the inactive camera in the device list.

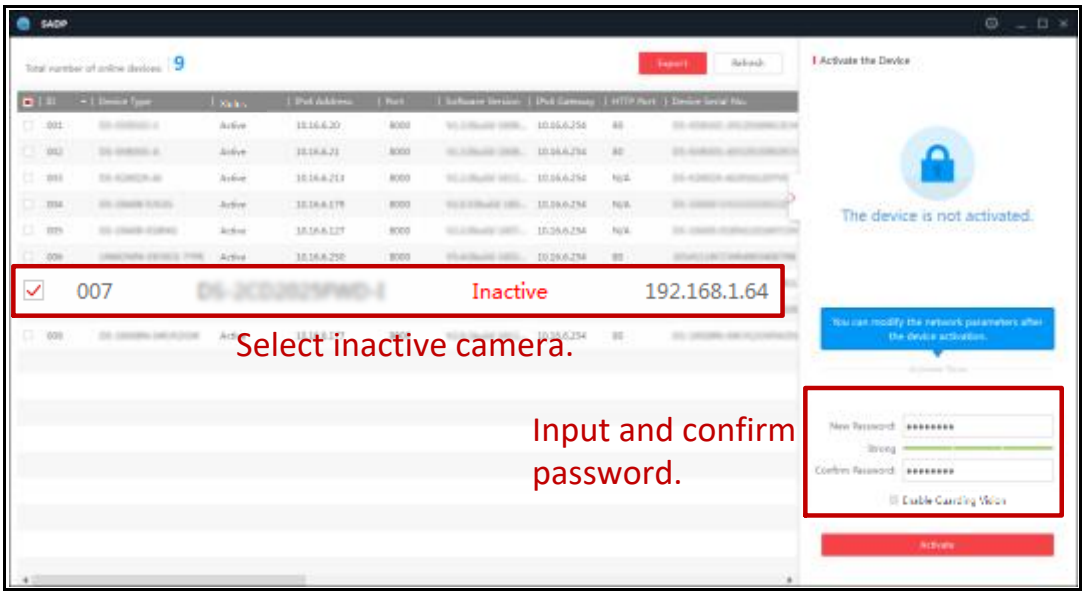

Figure 3-4 SADP Interface

Note:

The SADP software supports batch activation.

3. Create and input the new password in the password field, and confirm the password.

STRONG PASSWORD RECOMMENDED– *We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. We recommend you reset your password regularly, especially in high security systems, resetting the password monthly or weekly can better protect your product.*

Note:

You can enable the Guarding Vision service for the device during activation. Refer to Chapter 5.1 for detailed information.

4. Click **Activate** to finish activation.

   You can check whether the activation was successful in the popup window. If activation fails, make sure that the password meets the minimum requirements and try again.

3.3 Modifying the IP Address

To view and configure the camera via LAN (Local Area Network), you need to address the network camera to the same subnet as your PC.

Use the SADP software or client software to detect the camera and change it's IP address. IP Address modification via SADP is shown below.

Steps:

1. Run the SADP software.
2. Select an activated camera.
3. Change the device IP address to the same subnet as your computer by either modifying the IP address manually or checking the Enable DHCP checkbox.

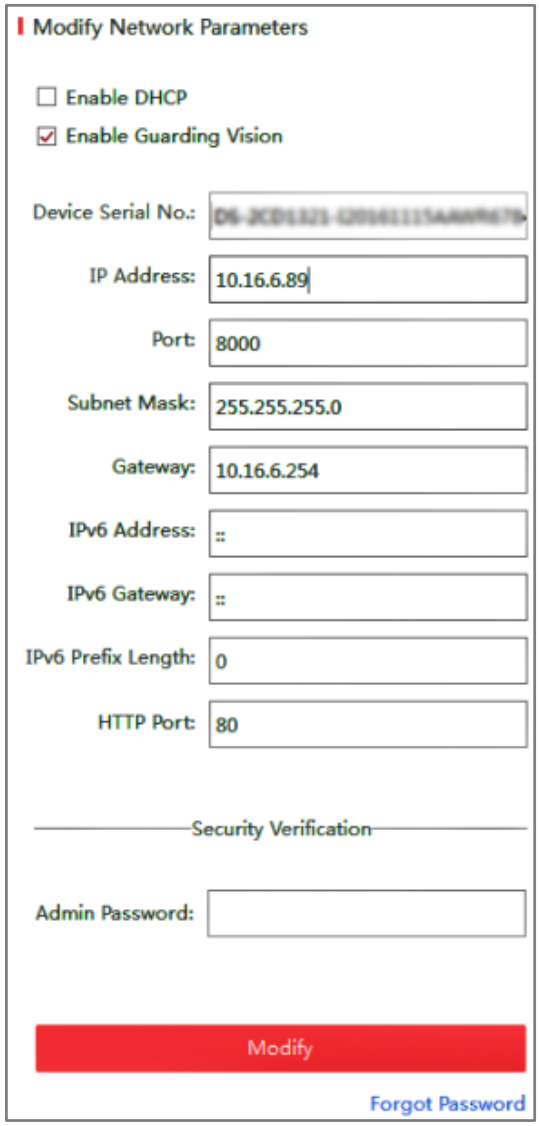

Figure 3-5 Modify the IP Address

Note:

You can enable the Guarding Vision service for the device during activation. Refer to Chapter 5.1 for detailed information.

4. Input the admin password and click **Modify** to save IP address modification.

Batch IP address modification is supported by the SADP software.

4 Accessing via Web Browser

System Requirement:

Operating System: Microsoft Windows XP SP1 and above

CPU: 2.0 GHz or higher

RAM: 1G or higher

Display: 1024×768 resolution or higher

Web Browser: Internet Explorer v8.0 and above, and Google Chrome v18 and above (via IE Tab).

Steps:

1. Open the web browser.
2. In the browser address bar, input the IP address of the camera, and press the **Enter** key to enter the login interface. ***Note:***
   - The default IP address is 192.168.1.64.
3. Input the user name and password.

   The admin user should configure the device accounts and user/operator permissions properly. Delete any unnecessary accounts and user/operator permissions.

   Note:

   The device will become locked if the admin account performs 7 failed password attempts (5 attempts for user/operator accounts), and must be power-cycled before use can resume.

4. Click **Login**.

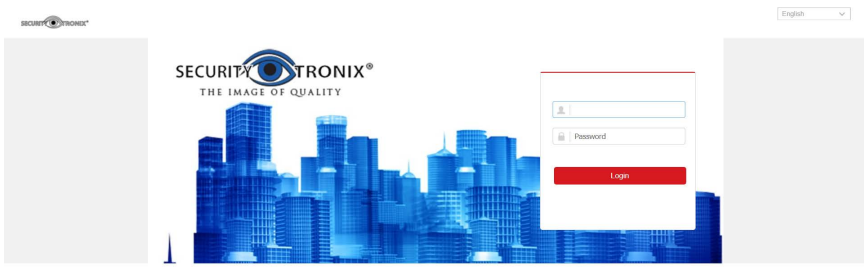

Figure 4-1 Login Interface

5. Install the plug-in before viewing the live video and managing the camera. Please follow the installation prompts to install the plug-in.

   Note:

   You may have to close the web browser to finish installation of the plug-in.

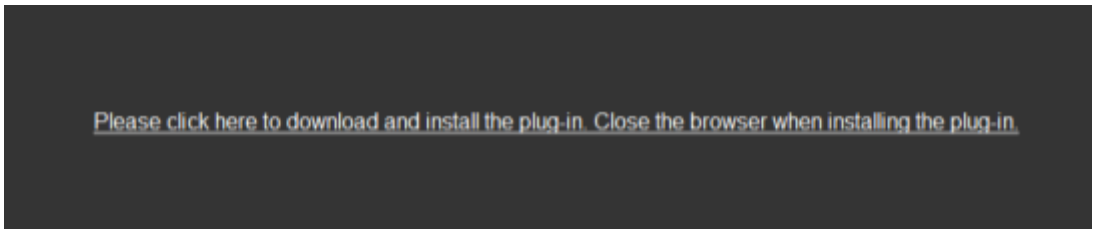

Figure 4-2 Download Plug-in

6. Reopen the web browser after installation of the plug-in and repeat steps 2 to 4 to login.

5 Initializing the Memory Card

Steps:

1. Log into the camera via web browser. Refer to section 4.
2. Check the memory card status by clicking on "Storage Status" in the "Device Settings" interface.
3. If the memory card status displays as "Uninitialized," click to initialize it. The status will then change to Normal. You can then start recording any event triggered video in the camera such as motion detection.

If you have any questions, or requests, please contact our support department at 1-800-688-9282, Option 3, Option 2.

SECURITYTRONIX 2-Year Limited Fixed Camera Warranty

Securitytronix. (the "Company") warrants to the Original Purchaser that the Fixed Camera is free from defects in workmanship or material under normal use. This warranty starts on the date of shipment of the hardware to the Original Purchaser.

During the warranty period, the Company agrees to repair or replace, at its sole option, without charge to Original Purchaser, any defective component in the Fixed Camera. To obtain service, the Original Purchaser must return the Fixed Camera to the Company properly packaged for shipping. All defective products must be returned to the Company within thirty (30) days of failure. Products must be returned with a description of the failure and Return Merchandise Authorization (RMA) number supplied by the Company. To receive a RMA number and a return shipping address on where to deliver the hardware, call 610-429-1821. The shipping, and insurance charges incurred in shipping to the Company will be paid by Original Purchaser, and all risk for the hardware shall remain with the Original Purchaser until such time as Company takes receipt of the hardware. Upon receipt, the Company will promptly repair or replace the defective unit, and then return said unit to Original Purchaser, shipping prepaid. The Company may use reconditioned or like-new parts or units, at its sole option, when repairing any hardware. Repaired products shall carry the same amount of outstanding warranty as from original purchase. Any claim under the warranty must include dated proof of purchase or invoice. In any event, the Company's liability for defective hardware is limited to repairing or replacing the hardware.

This warranty is contingent upon proper use of the hardware by Original Purchaser and does not cover: if damage is due to Acts of God (including fire, flood, earthquake, storm, hurricane or other natural disaster), accident, unusual physical, electrical, or electromechanical stress, modifications, neglect; misuse, operation with media not approved by the Company, tampering with or altering of the hardware, war, invasion, act of foreign enemies, hostilities (regardless of whether war is declared), civil war, rebellion, revolution, insurrection, military or usurped power or confiscation, terrorist activities, nationalization, government sanction, blockage, embargo, labor dispute, strike, lockout or interruption or failure of electricity, air conditioning, or humidity control, internet, network, or telephone service

The warranties given herein, together with any implied warranties covering the hardware, including any warranties of merchantability or fitness for a particular purpose, are limited in duration to two years from the date of shipment to the Original Purchaser. Jurisdictions vary with regard to the enforceability of warranty limitations, and you should check the laws of your local jurisdiction to find out whether the above limitation applies to you.

The Company shall not be liable to your for loss of data, loss of profits, lost savings, special, incidental, consequential, indirect, or other similar damages arising from breach of warranty, breach of contract, negligence, or other legal action even if the Company or its agent has been advised of the possibility of such damages, or for any claim brought against your by another party. Jurisdictions vary with regard to the enforceability of provisions excluding or limiting liability for incidental or consequential damages. You should check the laws of your local jurisdiction to find out whether the above exclusion applies to you.

This warranty allocates risks of product failure between Original Purchaser and the Company. The Company's hardware pricing reflects this allocation of risk and the limitations of liability contained in this warranty. The warranty set forth above is in lieu of all other express warranties, whether oral or written. The agents, employees, distributors, and dealers of the Company are not authorized to make modification to this warranty, or additional warranties binding on the Company. Accordingly, additional statements such as dealer advertising or presentations, whether oral or written, do not constitute warranties by the Company and should not be relied upon.

This warranty gives you specific legal rights. You may also have other rights which vary from one jurisdiction to another.