

Network Camera

Quick Start Guide

Legal Information

About this Document

- This Document 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 Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document at the Hikvision website (https://www.hikvision.com). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

About this Product

This product can only enjoy the after-sales service support in the country or region where the purchase is made.

Acknowledgment of Intellectual Property Rights

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- HIKVISION and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.

LEGAL DISCLAIMER

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.
- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION,

PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

TABLE OF CONTENTS

Chapter 1 Overview 1

1.1 Introduction 1

1.2 Key Features 1

Chapter 2 Installation and Component Description 2

2.1 Appearance 2

2.2 Installation 3

Chapter 3 Quick Operation 8

3.1 Connection Network 8

3.2 Activating and Configuring Cameras 8

Chapter 4 Maintenance Instruction 11

4.1 Lens Maintenance 11

4.2 Maintenance of Hemispherical Transparent Spherical Cover 11

4.3 Network Security Maintenance 11

Chapter 1 Overview

1.1 Introduction

This mobile network camera is a digital monitoring product that integrates video collection, intelligent coding and compression, network transmission and other functions, and is generally used for monitoring scenes inside buses. With embedded operating system and high-performance hardware processing platform, it has high stability and reliability. You can browse real-time video and configure settings through browser.

1.2 Key Features

- Advanced video compression technology is adopted, with high compression ratio, flexible processing and ultra-low bit rate
- It supports high-resolution video output, and the captured images are clear and delicate
- Support the functions of motion detection and occlusion alarm
- Support network remote upgrade and realize remote maintenance
- Support a variety of intelligent alarm functions
- Multilingual support
- Multi-browser support

Note

- Some functions of network box cameras depend on specific models, please refer to the actual functions.
- Refer to the device's datasheet for specific parameters such as image resolution, compression format, frame rate, etc.

Chapter 2 Installation and Component Description

2.1 Appearance

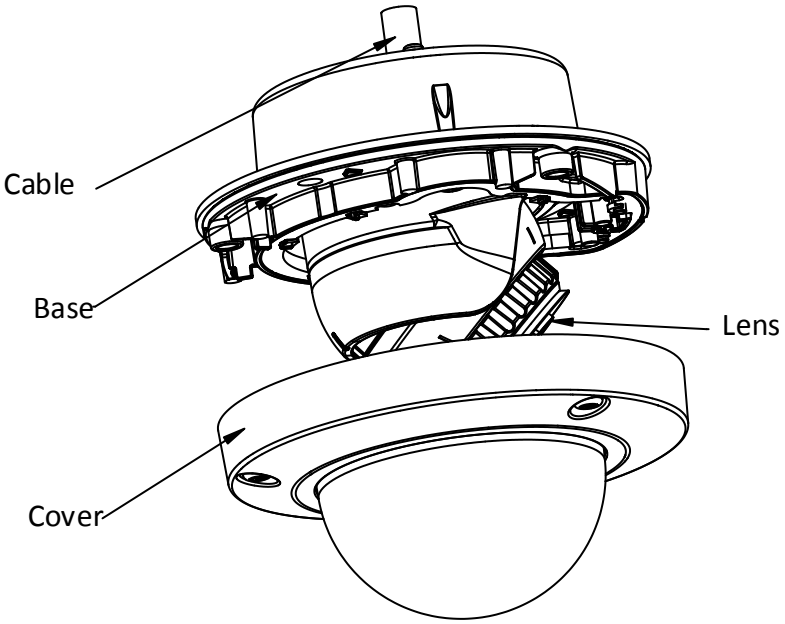


Figure 2-1 Type I Bullet Camera Overview

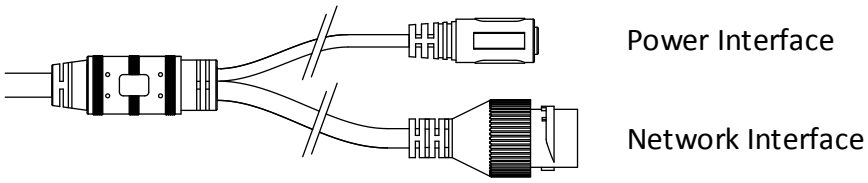


Figure 2-2 Camera Cable

Note

- The power interface only supports 12 VDC power input and does not support 24 VDC power input.

2.2 Installation

Note

- Based on the camera's installation scenario (outside/inside the vehicle), navigate to "Configuration -> Image -> Display" on the web page and select the appropriate scene mode (Outdoor/Indoor). Cameras with an aperture of F1.6 default to Outdoor mode.
- In daytime environments, if there are special flickering light sources inside the vehicle, it is recommended to use a camera with an aperture of F4.0.

Type I:

Step 1 Drill holes on the installation surface according to the drill template.

Note

- The size of the screw hole is based on the installation screw.

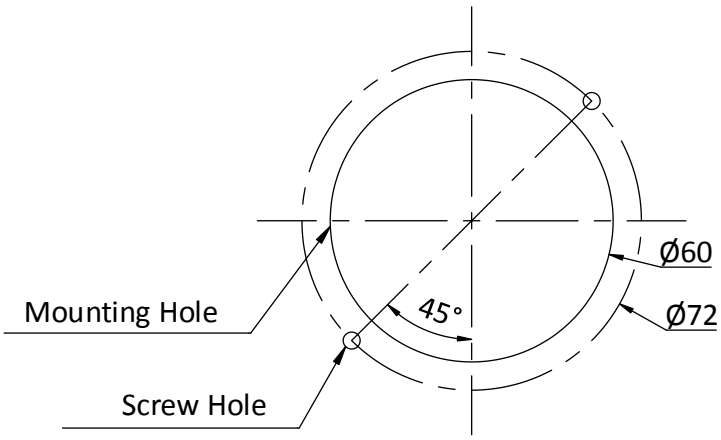


Figure 2-3 The Drill Template

Step 2 Connect the corresponding cables, such as power cord and network cable.

Step 3 Loosen the three screws on the upper cover and open the upper cover. Use two M4 screws to install the base on the vehicle.

Note

- The screw specification is determined by the installation environment.
- The two arrows on the base of the body should be directed to the front of the field of view.

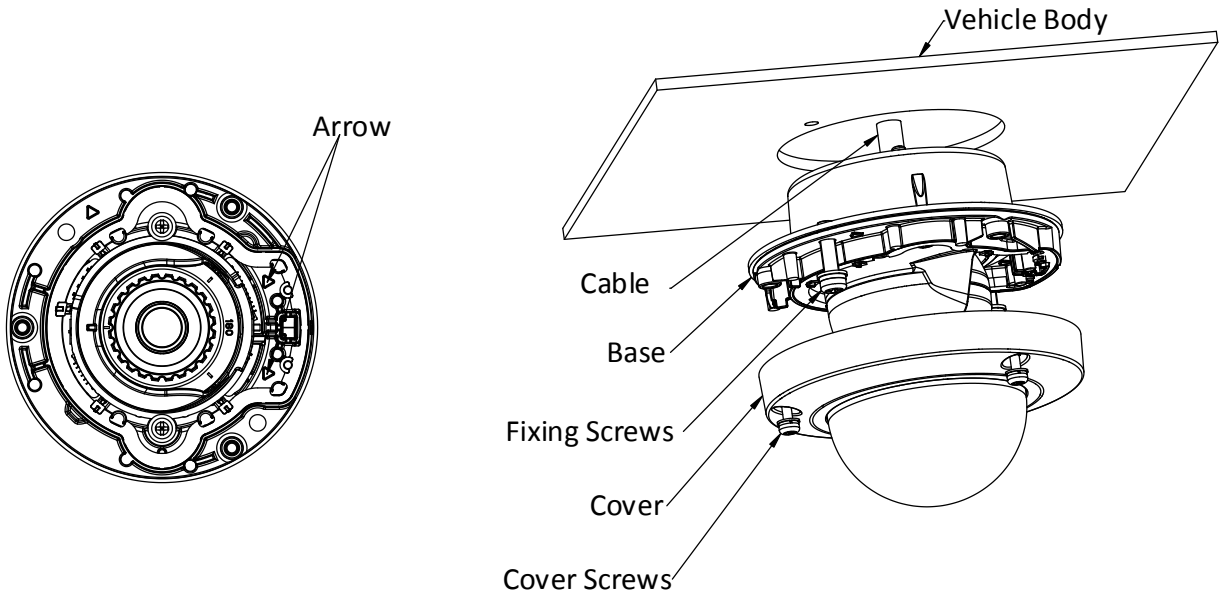


Figure 2-4 Install the Base

Step 4 Loosen (do not remove) the angle adjustment screw, and tilt the lens to obtain the appropriate angle of view. Then tighten the angle adjustment screw.

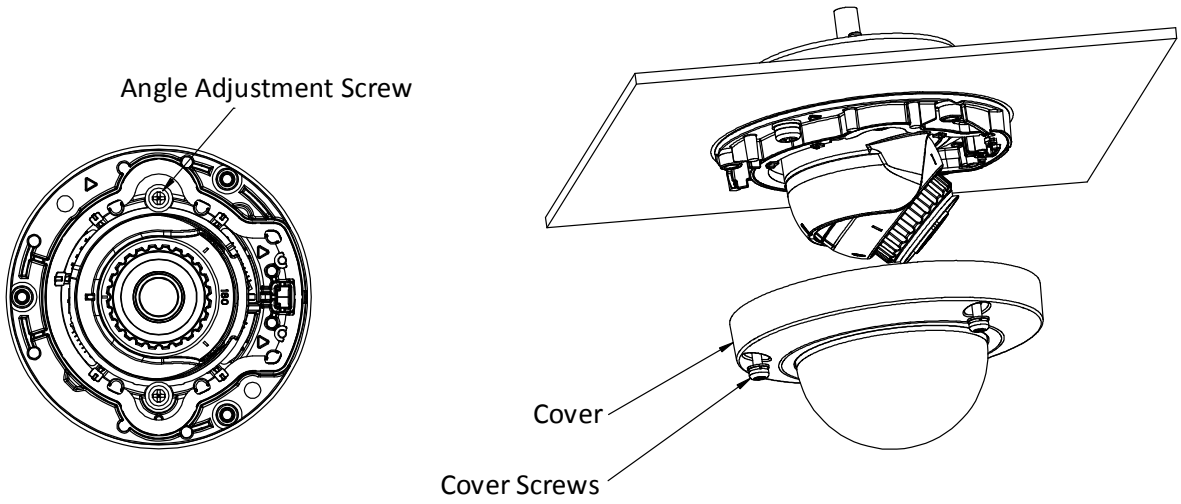


Figure 2-5 Angle Adjustment

Step 5 Align the arrows on the inner side of the upper cover with those on the base, then tighten the three screws on the upper cover to complete the installation.

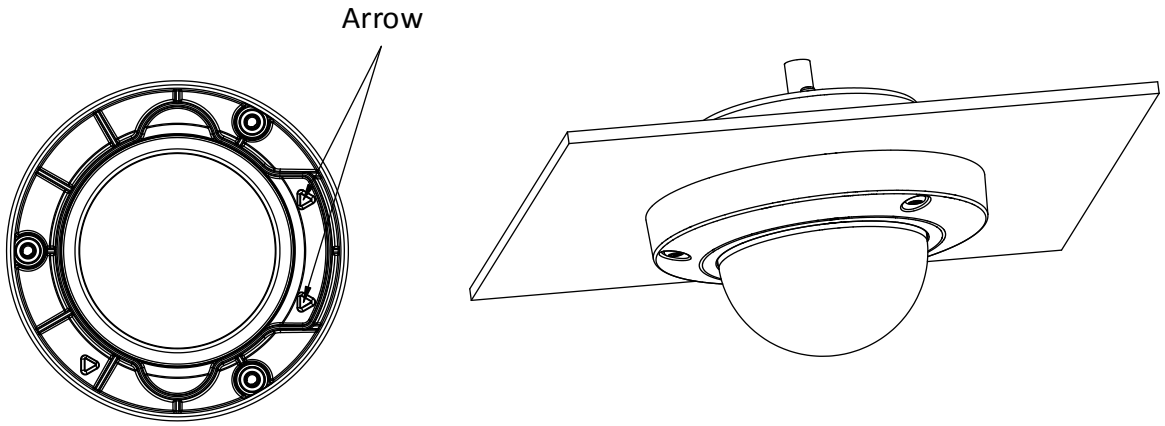


Figure 2-6 Tighten the Screws

Type II:

Step 1 Drill holes on the installation surface according to the drill template.

Note

- The size of the screw hole is based on the installation screw.

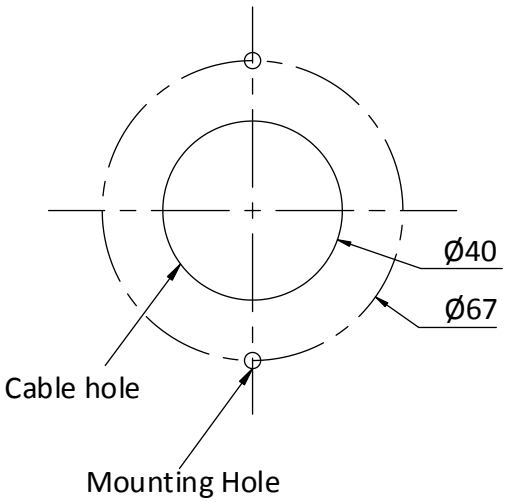


Figure 2-7 The Drill Template

Step 2 Use two M4 machine screws or self-tapping screws to install the adapter plate on the vehicle.

Note

- The screw specification is determined by the installation environment.
- The two arrows on the adapter plate should be parallel to the direction of the field of view.

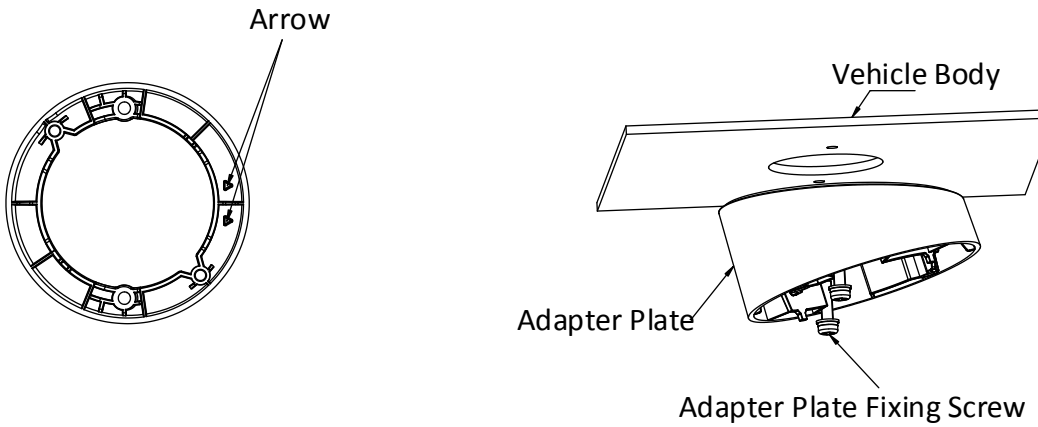


Figure 2-8 Install the Adapter Plate

Step 3 Connect the corresponding cables, such as power cord and network cable.

Step 4 Loosen the three screws on the upper cover and open the upper cover. Use two self-tapping screws to install the base to the adapter plate.

Note

- The two arrows on the base of the body should be directed to the front of the field of view.

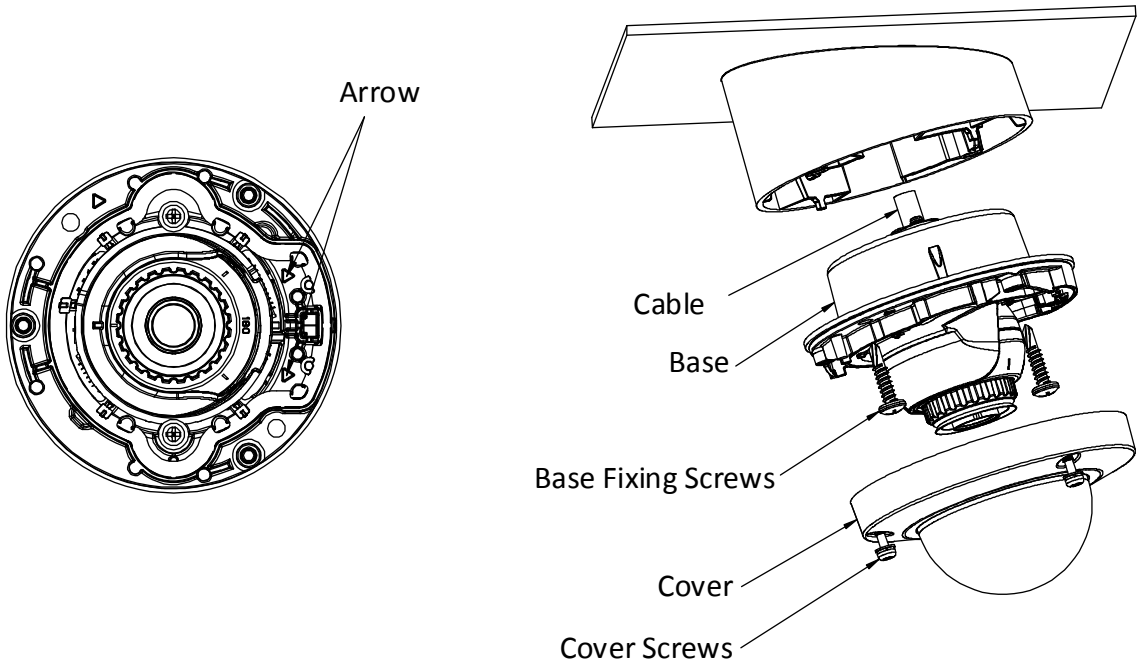


Figure 2-9 Install the Base

Step 5 Loosen (do not remove) the angle adjustment screw, and tilt the lens to obtain the appropriate angle of view. Then tighten the angle adjustment screw.

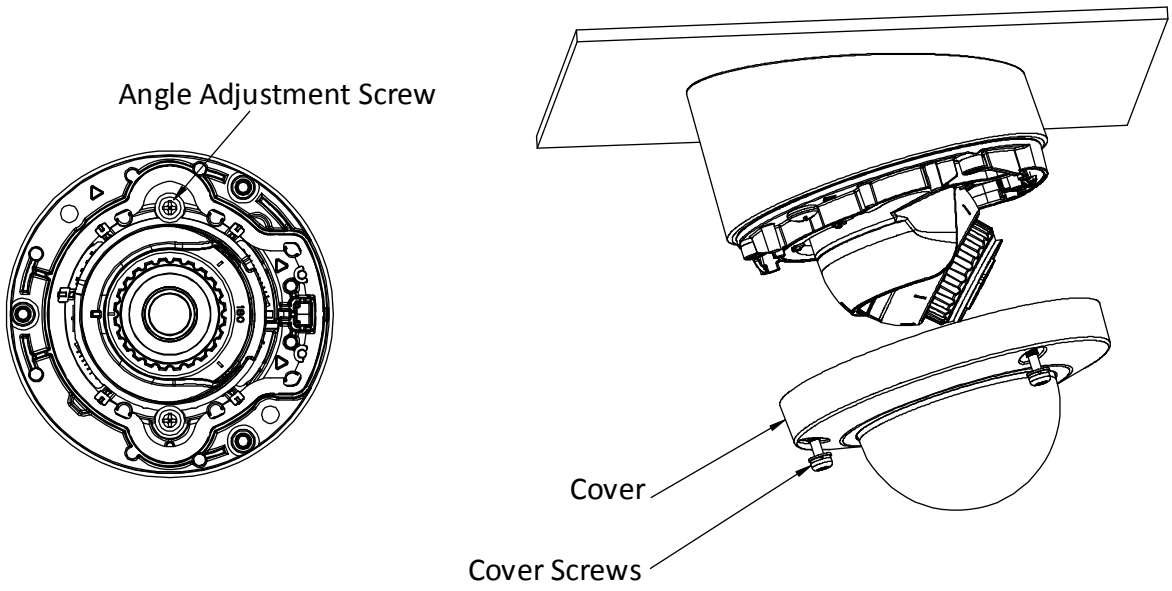


Figure 2-10 Angle Adjustment

Step 6 Align the arrows on the inner side of the upper cover with those on the base, then tighten the three screws on the upper cover to complete the installation.

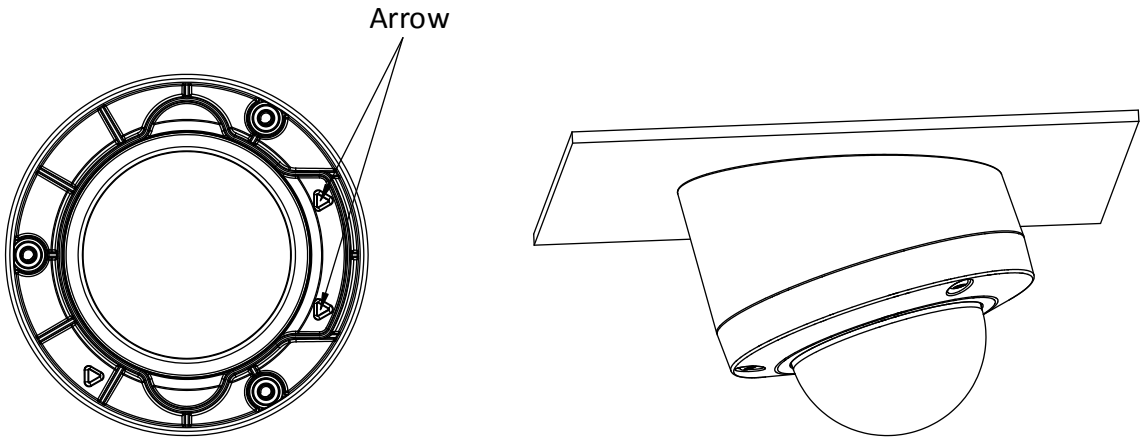


Figure 2-11 Tighten the Screws

Chapter 3 Quick Operation

Note

- If you connect your products to the Internet at your own risk, including but not limited to network attack, hacker attack, virus infection, etc., our company will not be responsible for the problems such as abnormal product work and information leakage, but we will provide you with product-related technical support in time.

3.1 Connection Network

After the network box camera is installed, you need to configure the functions and parameters. You can configure the related functions through an internet browser.

Before configuration, please confirm that the network box camera is connected to the computer and can access the network box camera that needs to be set up.

3.2 Activating and Configuring Cameras

The network box camera must be activated and set a login password before it can log in and use normally.

Note

- In order to protect your personal privacy and corporate data, and avoid the network security problems of camera products, it is recommended that you set a high-strength password that meets the security specifications.

The network box camera can be activated through SADP software, client software and browser. This manual takes SADP software activation as an example, and its operation is as follows.

Step 1 Install the SADP software downloaded from official website. After running the software, the SADP software will automatically search all online devices in the local area network, and the information such as device type, IP address, activation status, serial number and so on will be displayed in the list.

Step 2 Check the device to be activated, set the device password at "Activate Device", and click "Activate" to complete activation, as shown in Figure 3-1.

Note

- In order to improve the security of product network use, the set password should be 8~16 digits in length, at least composed of two or more types of numbers, lowercase letters, uppercase letters and special characters, and the password should not contain the user name.

After successfully activating the device, the "activation status" in the list will be updated to "activated".

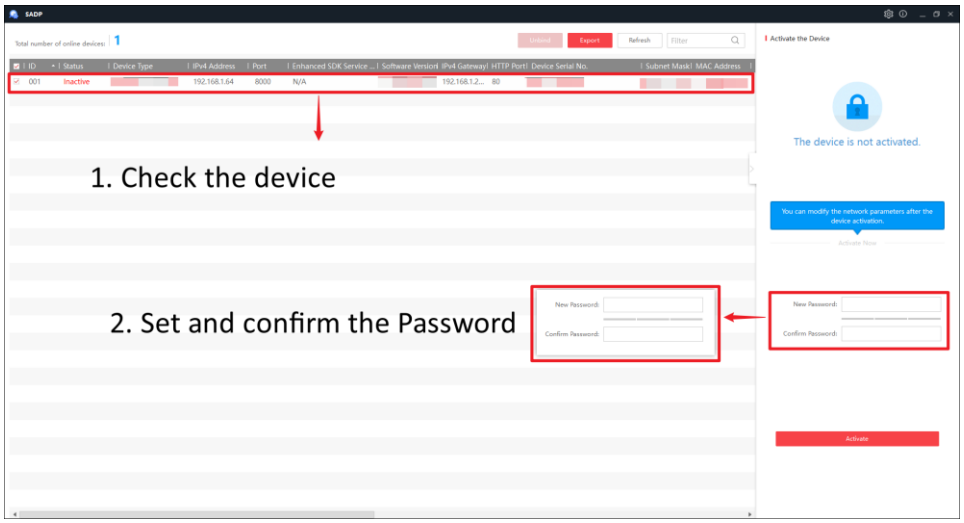


Figure 3-1 Activate Camera

Step 3 Modify the IP address of the device

Check the activated device, enter the IP address, subnet mask, gateway and other information in "Modify Network Parameters" on the right, and enter the password of the device. Click "Modify", and the prompt "Modify Network Parameters Successfully" indicates that the network parameter setting takes effect, as shown in Figure 3-2 .

Note

- When setting the IP address of the network box camera, keep the IP address of the device and the IP address of the computer in the same network segment.
- If you are using a webcam for the first time, it is recommended to add a custom user.

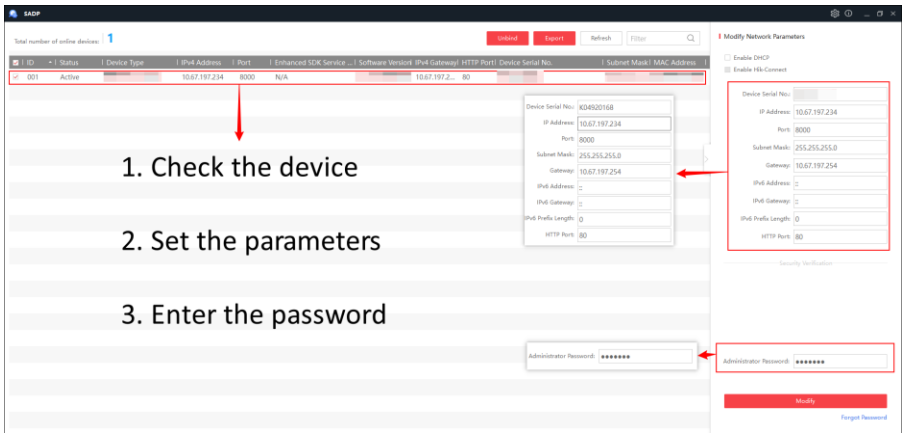


Figure 3-2 Modify Camera Information

Chapter 4 Maintenance Instruction

4.1 Lens Maintenance

The surface of the lens is coated with anti-reflection coating. When it is stained with dust, grease, fingerprints, etc., harmful substances will be produced, which will lead to its performance degradation or scratch, mildew, etc. Once dirt is found, please treat it as follows.

- Dust contamination: Use an oil-free soft brush to gently bounce off the dust.
- Grease contamination: gently wipe the water drops or oil with a soft cloth and dry it, then use oil-free cotton cloth or lens cleaning paper to soak it in alcohol or lens cleaning solution and wipe it from the center of the lens. If it is still not wiped, you can change cloth and wipe it several times.

4.2 Maintenance of Hemispherical Transparent Spherical Cover

The transparent spherical cover is made of transparent plastic. If it is stained with dust, grease, fingerprints, etc., the image performance will be degraded or the surface of the transparent spherical cover will be scratched. Once dirt is found, please treat it as follows.

- Dust contamination: Use an oil-free soft brush to gently bounce off the dust.
- Grease or fingerprints: gently wipe off the water drops or oil with a soft cloth and dry it, then wipe it from the center to the outside with oil-free cotton cloth or lens cleaning paper dipped in lens cleaning solution. If it is still not wiped, you can change cloth and wipe it several times.

4.3 Network Security Maintenance

It is recommended that you conduct regular network security assessment on the network box camera system, and our company can provide corresponding professional technical services.



UD42712B