

HiWatch Series



Network Dome Camera

Quick Start Guide

Quick Start Guide

About this Manual

This Manual is applicable to IPC-D1XX-I Network Bullet Camera.

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 in the company website

Please use this user manual under the guidance of professionals.

Legal Disclaimer

REGARDING TO THE PRODUCT WITH INTERNET ACCESS, THE USE OF PRODUCT SHALL BE WHOLLY AT YOUR OWN RISKS. OUR COMPANY SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER ATTACK, HACKER ATTACK, VIRUS INSPECTION, 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 THE APPLICABLE LAW. OUR COMPANY SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED WITH 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.



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 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.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 24 V AC or 12 V DC 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 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

- 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.
- Improper use or replacement of the battery may result in hazard of explosion. 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. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

Table of Contents

1 Appearance Description	8
2 Installation	10
3 Setting the Network Camera over the LAN	15
3.1 Wiring	15
3.2 Activating the Camera	16
3.2.1 Activation via Web Browser	16
3.2.2 Activation via SADP Software	17
3.3 Modifying the IP Address	19
4 Accessing via Web Browser	22
5 Operating via CCTV Guard App	24
5.1 Enable Guarding Vision Service on Camera	24
5.1.1 Enable Guarding Vision Service via SADP Software ..	24
5.1.2 Enable Guarding Vision Service via Web Browser	25
5.2 CCTV Guard Setup	27
5.3 Adding Camera to CCTV Guard	27
5.4 Initializing the Memory Card	29

1 Appearance Description

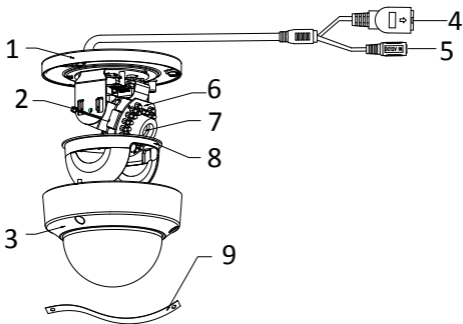


Figure 1-1 Camera Overview

Table 1-1 Description of Camera

No.	Description
1	Mounting Base
2	Tilt Adjusting Screw
3	Bubble
4	Network Interface
5	Power Interface
6	IR LED
7	Lens
8	Black Liner
9	Safety Rope

Note: Power on the camera when pressing the RESET button, and press button for another 10 seconds 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 V DC or 24 V AC. 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.

For the camera that supports IR, you are required to pay attention to the following precautions to prevent IR reflection:

- Dust or grease on the dome cover will cause IR reflection. 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 to cause the 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 camera body so that the foam ring and the dome cover are attached seamlessly.

Steps:

1. Attach the drill template to the ceiling.
2. Drill the screw holes and cable hole (optional) in the ceiling according to the drill template.

Note: Cable hole is required when you adopt ceiling outlet to route the cables.

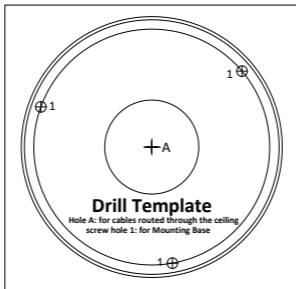


Figure 2-1 Drill Template

3. Loosen the set screws with a hex wrench (supplied) to remove the bubble.

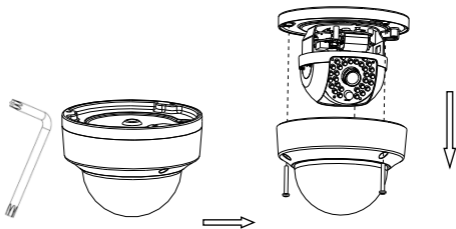


Figure 2-2 Remove the Bubble

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

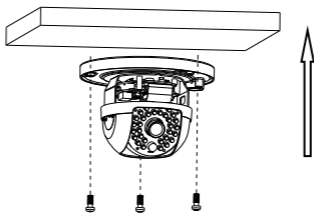


Figure 2-3 Fix the Mounting Base

5. Route the cables through the cable hole.

Note: If required, you can route cables through the side opening on the side of the mounting base.

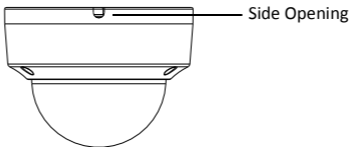


Figure 2-4 Side Opening

6. Connect the corresponding cables, such as power cable and network cable.
7. Power on the camera to check whether the image on the monitor is gotten from the optimum angle. If not, adjust the camera to get an optimum angle.

Notes:

- Type I supports 2-axis adjustment. Loosen the tilt adjusting screw to adjust the tilt angle [0° to 70°], hold the black liner to adjust the pan angle [0° to 355°]. See the figure below.

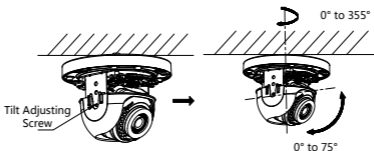


Figure 2-5 Type I Camera 2-Axis Adjustment

- Type II camera supports 3-axis adjustment. Loosen the tilt adjusting screw to adjust the tilt angle [0° to 75°], hold the black liner to adjust the pan angle [0° to 355°], and hold the lens to rotate the camera [0° to 355°]. See the figure below.

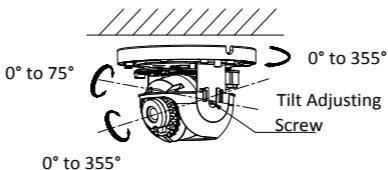


Figure 2-6 Type II Camera 3-Axis Adjustment

8. Reinstall the bubble, and tighten the screws.

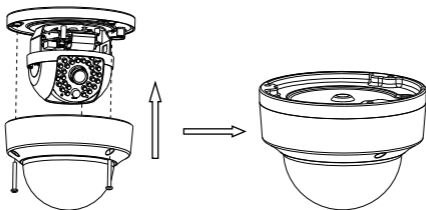


Figure 2-7 Bubble Reinstallation

3 Setting the Network Camera over the LAN

Note:

You shall acknowledge that the use of the product with Internet access might be under network security risks. For avoidance of any network attacks and information leakage, please strengthen your own 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.

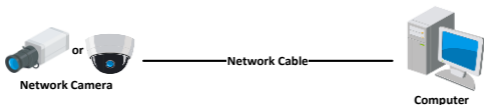


Figure 3-1 Connecting Directly

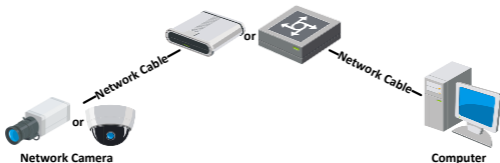


Figure 3-2 Connecting via a Switch or a Router

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. We will take activation via SADP software and Activation via Web Browser as examples to introduce the camera activation.

Note:

Refer to the User Manual of Network Camera for Activation via Client Software.

3.2.1 Activation via Web Browser

Steps:

1. Power on the camera. Connect the camera to your computer or the switch/router which your computer connects to.
2. Input the IP address 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.
- For the camera enables the DHCP by default, you need to use the SADP software to search the IP address.

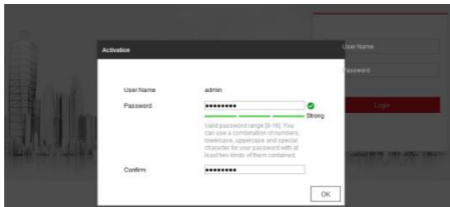


Figure 3-3 Activation Interface(Web)

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. And we recommend you reset your password regularly, especially in the high security system, 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 the online device, activating the camera, and resetting the password.

Network Dome Camera • Quick Start Guide

Get the SADP software from the supplied disk or the official website, and install the SADP according to the prompts. Follow the steps to activate the camera, please refer to the User Manual of Network Camera for other two activation methods.

Steps:

1. Run the SADP software to search the online devices.
2. Check the device status from the device list, and select the inactive device.

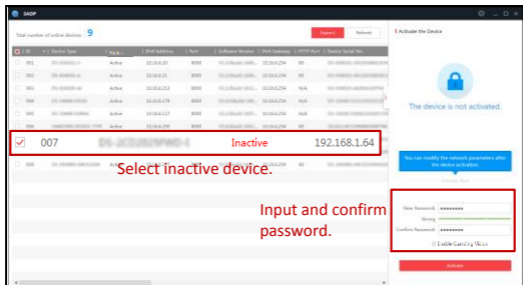


Figure 3-4 SADP Interface

Note:

The SADP software supports activating the camera in batch. Refer to the user manual of SADP software for details.

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. And we recommend you reset your password regularly, especially in the high security system, 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 start activation.

You can check whether the activation is completed on the popup window. If activation failed, make sure that the password meets the requirement and try again.

3.3 Modifying the IP Address

Purpose:

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

Use the SADP software or client software to search and change the IP address of the device. We take modifying the IP Address via SADP software as an example to introduce the IP address modification.

For IP address modification via client software, refer to the user manual of client software.

Steps:

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

Modify Network Parameters

Enable DHCP
 Enable Guarding Vision

Device Serial No.:

IP Address:

Port:

Subnet Mask:

Gateway:

IPv6 Address:

IPv6 Gateway:

IPv6 Prefix Length:

HTTP Port:

Security Verification

Admin Password:

[Modify](#)

[Forgot Password](#)

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 activate your IP address modification.

The batch IP address modification is supported by the SADP. Please refer to the User Manual of SADP for details.

4 Accessing via Web Browser

System Requirement:

Operating System: Microsoft Windows XP SP1 and above version

CPU: 2.0 GHz or higher

RAM: 1G or higher

Display: 1024×768 resolution or higher

Web Browser: Internet Explorer 8.0 and above version, Apple Safari 5.0.2 and above version, Mozilla Firefox 5.0 and above version and Google Chrome 18 and above version

Steps:

1. Open the web browser.
2. In the browser address bar, input the IP address of the network camera, and press the **Enter** key to enter the login interface.

Note:

- The default IP address is 192.168.1.64. You are recommended to change the IP address to the same subnet with your computer.

3. Input the user name and password.

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

Note:

The device IP address gets locked if the admin user performs 7 failed password attempts (5 attempts for the user/operator).

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 the installation of the plug-in.

[Please click here to download and install the plug-in. Close the browser when installing the plug-in.](#)

Figure 4-2 Download Plug-in

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

Note:

For detailed instructions of further configuration, please refer to the user manual of network camera.

5 Operating via CCTV Guard App

Purpose:

CCTV Guard is an application for mobile devices. With the App, you can view live image of the camera, receive alarm notification and so on.

Note:

Guarding Vision service is not supported by certain camera models.

5.1 Enable Guarding Vision Service on Camera

Purpose:

Guarding Vision service should be enabled on your camera before using the service.

You can enable the service through SADP software or web browser.

5.1.1 Enable Guarding Vision Service via SADP Software

Steps:

1. Check the checkbox of **Enable Guarding Vision** on:
 - 1). "Activate the Device" page during camera activation, refer to Chapter 3.2.2.
 - 2). Or "Modify Network Parameters" page during modifying IP address, refer to Chapter 3.3.
2. Create a verification code or change the verification code.

Tips

To enable Guarding Vision service, you need to create a verification code or edit the verification code.

Verification Code

6 to 12 letters or numbers, case sensitive. You are recommended to use a combination of no less than 8 letters or numbers.

Confirm Verification Code

The Guarding Vision service will require internet access. Please read the [Service](#) and [Privacy Policy](#) before enabling the service.

Confirm Cancel

Figure 5-1 Verification Code Setting (SADP)

Note:

The verification code is required when you add the camera to CCTV Guard app.

3. Click and read "Terms of Service" and "Privacy Policy".
4. Confirm the settings.

5.1.2 Enable Guarding Vision Service via Web Browser

Before you start:

You need to activate the camera before enabling the service. Refer to Chapter 3.2.

Steps:

1. Access the camera through web browser. Refer to Chapter 4.
2. Enter platform access configuration interface: Configuration > Network > Advanced Settings > Platform Access

Enable

Platform Access Mode

Server IP Custom

Register Status

Verification Code

6 to 12 letters (a to z, A to Z) or numbers (0 to 9), case sensitive. You are recommended to use

Figure 5-2 Platform Access Configuration (Web)

3. Select Platform Access Mode as Guarding Vision.
4. Check the checkbox of Enable.
5. Click and read "Terms of Service" and "Privacy Policy" in pop-up window.
6. Create a verification code or change the verification code for the camera.

Note:

The verification code is required when you add the camera to CCTV Guard app.

7. Save the settings.

5.2 CCTV Guard Setup

Steps:

1. Download and install the Guarding Vision app by searching “CCTV Guard” in App Store or Google Play™.
2. Launch the app and register for a CCTV Guard user account.
3. Log in CCTV Guard app after registration.

5.3 Adding Camera to CCTV Guard

Before you start:

You need to enable the Guarding Vision service on camera before adding it to your CCTV Guard account. Refer to Chapter 5.1.

Steps:

1. Use a network cable to connect the camera with a router if the camera does not support Wi-Fi.



Figure 5-3 Connect a Router

Note:

After the camera connects to the network, please wait one minute before any operation on the camera using CCTV Guard app.

2. In the CCTV Guard app, tap “+” on the upper-right corner and then scan the QR code of the camera to add the camera.

You can find the QR code on the camera or on the cover of the Quick Start Guide of the camera in the package.

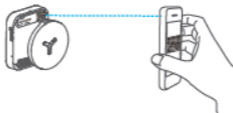



Figure 5-4 Scan QR Code

Note:

If the QR code is missing or too blur to be recognized, you can also add the camera by tapping the  icon and inputting the camera's serial number.

3. Input the verification code of your camera.

Note:

- The required verification code is the code you create or change when you enabling Guarding Vision service on camera.
- If you forget the verification code, you can check the current verification code on **Platform Access** configuration page via web browser.

4. Follow the prompts to set the network connection and add the camera to your Guarding Vision account.

Note:

For detailed information, refer to the user manual of the CCTV Guard app.

5.4 Initializing the Memory Card

Steps:

Check the memory card status by tapping on the Storage Status in the Device Settings interface.

If the memory card status displays as Uninitialized, tap 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.



Figure 1. World map showing the distribution of various species across the continents. The map is color-coded to represent different species groups, with a legend on the right side.

The map shows a clear pattern of distribution, with many species found in North America and Europe, and fewer species found in South America, Africa, and Asia.

This distribution is likely due to the historical patterns of human migration and trade, which have facilitated the spread of species across the globe.

The map also highlights the importance of conservation efforts, particularly in the regions with the highest species diversity.

Overall, the map provides a comprehensive overview of the global distribution of various species, and highlights the need for continued research and conservation efforts.

The map is a valuable tool for understanding the complex relationships between species and their environments, and for identifying areas that require further study.

By providing a clear and concise overview of the global distribution of various species, the map helps to advance our understanding of the natural world and the challenges we face in protecting it.

The map is a testament to the power of scientific research and the importance of collaboration in understanding the world around us.

As we continue to explore the frontiers of science and technology, the map will remain a valuable resource for researchers and the public alike.

The map is a reflection of the progress we have made in understanding the world, and a reminder of the work that still needs to be done.

By sharing this information with the world, we hope to inspire others to join in the quest for knowledge and the protection of our planet.

The map is a symbol of hope and a call to action, reminding us that we have the power to make a difference in the world.

Together, we can protect the world's biodiversity and ensure a sustainable future for all.

The map is a testament to the resilience of the human spirit and the power of our collective efforts.

As we move forward, let us continue to work together to protect the world's natural heritage and ensure a bright future for all.

The map is a source of inspiration and a reminder of the possibilities that lie ahead.

By embracing the challenges we face and working together, we can create a world that is more just, more equitable, and more sustainable.

The map is a symbol of our shared humanity and a reminder of the power of our collective actions.

As we look to the future, let us be inspired by the possibilities and determined to make a positive impact on the world.

The map is a testament to the power of science and the importance of our collective efforts.