



Network Zoom Camera

Quick Start Guide

Quick Start Guide

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About this Manual

This Manual is applicable to Network Zoom 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 (<http://overseas.hikvision.com/en/>).

Please use this user manual under the guidance of professionals.

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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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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 (A)/NMB-3(A) standards requirements.

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1 Overview

Overview of the rear panel and side panel is shown in Figure 1-1.

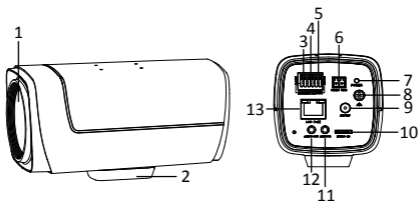


Figure 1-1 Overview

Table 1-1 Description

No.	Items	Description
1	Lens	Auto-focus lens
2	Mounting Base	There are screw holes for installing to the bracket.
3	1A, 1B	Alarm output interfaces
4	IN, G	Alarm input interfaces
5	D+,D-	RS-485 interfaces
6	VIDEO, GND	Analog video output interface
7	POWER	The indicator is on when the power is up.
8	Grounding Screw	Used for grounding
9	12 VDC	12 VDC power interface
10	MICRO SD	Memory card slot
11	AUDIO OUT	Audio output interface

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No.	Items	Description
12	MIC IN	Audio input interface
13	LAN (PoE)	10 M/100 M self-adaptive Ethernet interface with PoE function

2 Installation

Before you start:

Make sure that the device in the package is in good condition and all the assembly parts are included.

Notes:

- The camera is usually installed on the wall or ceiling.
- Make sure that the wall is strong enough to withstand more than three times the weight of the camera and the accessories.
- For cement wall/ceiling mounting, you need to use the expansion screw to fix the bracket. The mounting hole of the expansion pipe on the wall should align with the mounting hole on the bracket.
- For wooden wall/ceiling mounting, you can just use the self-tapping screw to fix the bracket.

2.1 Wall Mounting

Steps:

1. Separate the swinging bracket from the wall mounting bracket (not provided).

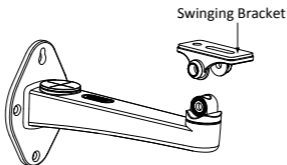


Figure 2-1 Take off the Swing Bracket

2. Attach the wall mounting bracket to the wall and secure it with screws.

Note:

The wall mounting bracket should be longer than $\frac{1}{2}$ of the camera in length.

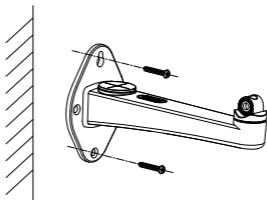


Figure 2-2 Install the Wall Mounting Bracket

3. Secure the camera to the swinging with set screws.

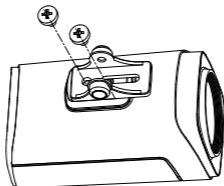


Figure 2-3 Secure Camera with Swinging Bracket

4. Route the cables for the camera.
5. Fasten the screws to secure the camera along with the swinging bracket to the wall mounting bracket.

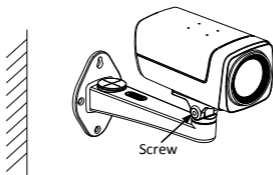


Figure 2-4 Mount the Camera

Note:

This camera is designed for indoor and outdoor use. To use the camera outdoors, it must be installed in an approved outdoor housing as shown in Figure 2-5.

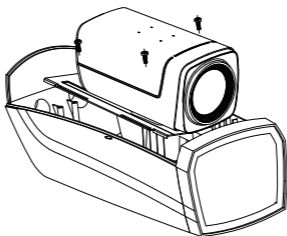


Figure 2-5 Camera with the Housing

6. Adjust the view angle.

- 1). Connect the VIDEO OUT interface of the camera to the debugging monitor.
- 2). Loosen the panning lock screw, and adjust the panning angle of the camera up to 360° as shown in Figure 2-6.

- 3). Tighten the panning lock screw after you adjust the angles.
- 4). Loosen the tilting lock screw, and adjust the tilting angle of the camera up to 90° as shown in Figure 2-7.
- 5). Tighten the tilting lock screw after you adjust the angles.

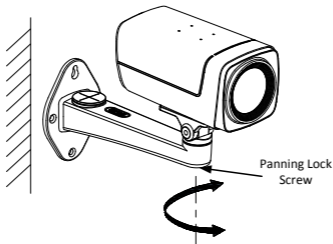


Figure 2-6 Panning

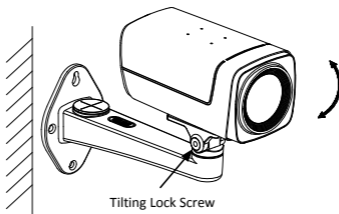


Figure 2-7 Tilting

2.2 Pendant Mounting

Steps:

1. Secure the ceiling mounting bracket to the ceiling with screws.

Note:

Use different screws if you install the camera to the wooden wall or cement wall.

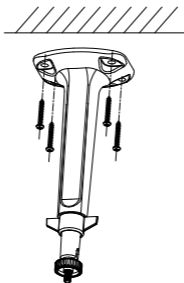


Figure 2-8 Secure the Bracket

2. Align the screw holes on the camera with the ceiling mounting bracket and rotate the camera tightly.
3. Adjust the surveillance angle.
 - 1). Connect the VIDEO OUT interface of the camera to the debugging monitor.
 - 2). Loosen the knob on the bracket.
 - 3). Adjust the camera to the desired surveillance angle, and tighten the knob on bracket.

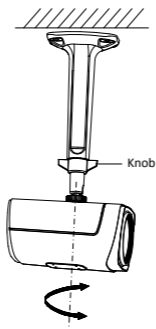


Figure 2-9 Install the camera

2.3 Wiring

Refer to **Chapter 1 Overview** for connecting peripheral devices.

- Make sure that the power adapter matches with that of the camera.
- Transmission distance of DC power is limited, and do not plug the power adapter too far away.

3 Setting the Network Camera over the LAN

Notes:

- 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, strengthen your own protection. If the product does not work properly, contact with your dealer or the nearest service center.
- To ensure the network security of the camera, we recommend you to have the camera assessed and maintained termly. You can contact us if you need such service.

3.1 Wiring

To view and configure the camera via LAN (Local Area Network), you need to connect the camera in the same subnet with your PC. Then, install the SADP or client software to search and change the IP address of the camera. Connect the camera to network according to the following figures.

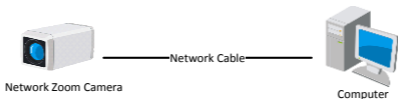


Figure 3-1 Connecting Directly

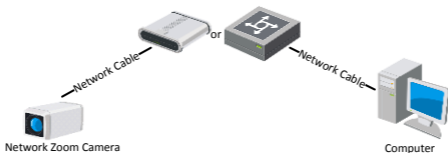


Figure 3-2 Wiring over LAN

3.2 Activating the Zoom Camera

Purpose:

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 supported. In the following sections, activation via web browser and SADP will be taken as examples. You may refer to the user manual of the camera for the details of activation via client software.

3.2.1 Activation via Web Browser

Steps:

4. Power on the camera. Connect the camera to your computer or the switch/router which your computer connects to.
5. Input the IP address into the address bar of the web browser, and 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.

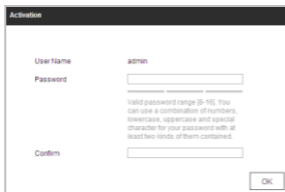


Figure 3-3 Activation Interface (Web)

6. 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 at least three of the following categories: 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.

7. Confirm the password.
8. Click **OK** to activate the camera and enter the live view interface.

3.2.2 Activation via SADP Software

SADP software is used for detecting the online device, activating the device, and resetting the password.

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.

Steps:

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

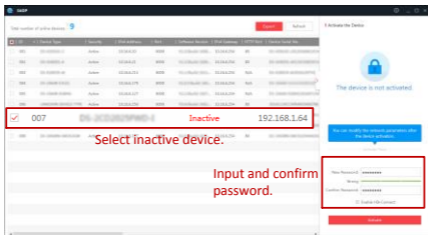


Figure 3-4 SADP Interface

Note:

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

3. Create a password and input the 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 at least three of the following categories: 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. Click **Activate** to save the password.

Note:

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.

Note:

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

Steps:

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

Modify Network Parameters

Enable DHCP

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

4. Input the admin password and click **Modify** to activate your IP address modification. The batch IP address modification is supported by SADP. 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/Vista/Win7/Server 2003/Server 2008 32bits

CPU: Intel Pentium IV 3.0 GHz or higher

RAM: 1G or higher

Display: 1024×768 resolution or higher

Web Browser: Internet Explorer 8.0 and above version, Apple Safari 5.02 and above version, Mozilla Firefox 5 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 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. Follow the installation prompts to install the plug-in.

Note:

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

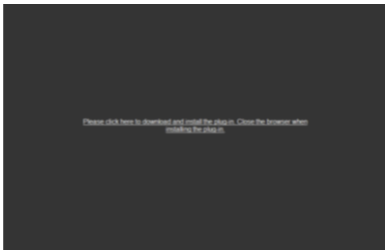


Figure 4-2 Download Plug-in

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

Note:

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

Appendix

Table 1 HD Network Zoom Camera Module Interface (36pin) Description

Pin No	Name	Description
1	DC12V	12 VDC Power Input
2	DC12V	12 VDC Power Input
3	DC12V	12 VDC Power Input
4	DC-GND	12 VDC GND
5	DC-GND	12 VDC GND
6	CVBS	Analog Video Output
7	DC-GND	12 VDC GND
8	LINE_OUT	Audio Output
9	DC-GND	12 VDC GND
10	LINE_IN	Audio Input
11	PWFBOU	Network Output
12	TPTX+	100 M Network Cable TPTX+
13	TPTX-	100 M Network Cable TPTX-
14	TPRX+	100 M Network Cable TPRX+
15	TPRX-	100 M Network Cable TPRX-
16	GND(for DGND)	GND
17	LINK#	Network Indicator
18	ACT#	Network Indicator

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19	ALARM_OUT	Alarm Input
20	ALARM_IN	Alarm Output
21	DC-GND	12 VDC GND
22	SD_EN	SD Card Power On
23	SD1_WP	SD Card Input
24	SD1_CD	SD Card Output
25	SD_CLK	SD Card Clock Cable
26	SD_CMD	SD Card Command Cable
27	SD_DATA3	SD Card Data Cable
28	SD_DATA2	SD Card Data Cable
29	SD_DATA1	SD Card Data Cable
30	SD_DATA0	SD Card Data Cable
31	DC-GND	12 VDC GND
32	RS485-	Positioning System and Zoom Camera Module Communication RS485-
33	RS485+	Positioning System and Zoom Camera Module Communication RS485+
34	232_TX	Serial Port Send TTL3.3V CMOS5V
35	232_RX	Serial Port Receive TTL3.3V CMOS5V
36	RESET	External Reset Signal Input (Valid in low electrical level)

