

HIKVISION



Network Box Camera

Quick Start Guide

UD07275B

Quick Start Guide

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About this Manual

This Manual is applicable to Network Box 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 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.

Laws and Regulations

The device should be used in compliance with local laws, electrical safety regulations, and fire prevention regulations.

Transportation

Keep the device in original or similar packaging while transporting it.

Power Supply

The input voltage should conform to IEC60950-1 standard: SELV (Safety Extra Low Voltage) and the Limited Power Source. Refer to the appropriate documentation for detailed information.



DO NOT connect multiple devices to one power adapter, to avoid over-heating or fire hazards caused by overload.

Make sure the plug is properly connected to the power socket.

System Security

The installer and user are responsible for password and security configuration and its settings.

Battery



Improper use or replacement of the battery may result in explosion hazard.

Replace with the same or equivalent type only. Dispose of used batteries in conformance with the local codes.

Maintenance

If the product does not work properly, please contact your dealer or the nearest service center. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.

A few device components (e.g., electrolytic capacitor) require regular replacement. The average lifespan varies, so periodic checking is recommended. Contact your dealer for details.

Cleaning



Please use a soft and dry cloth when clean inside and outside surfaces of the product cover. Do not use alkaline detergents.

Using Environment

Make sure the running environment meets the requirement of the device. The operating temperature shall be -30 °C to 60 °C (-22°F to 140 °F), and the operating humidity shall be 95% or less (no condensing).



When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out.

Do not expose the device to high electromagnetic radiation or dusty environments.

For indoor-only device, place it in a dry and well-ventilated environment.

Do not aim the lens at the sun or any other bright light.

Emergency



If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.

Time Synchronization

Set up camera time manually for the first time access if the local time is not synchronized with that of the network. Visit the camera via Web browse/client software and go to time settings interface.

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1 Appearance Description

The overview of the box camera is shown below:

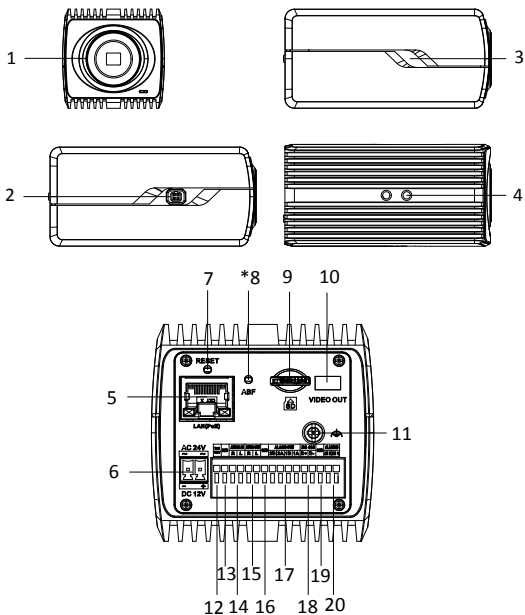


Figure 1-1 Overview

Table 1-1 Description

No.	Description	No.	Description
1	Lens Mount	2	Auto-iris Interface
3	Power Indicator	4	¼-20 UNC Screw Hole
5	LAN(PoE 802.3af)	6	Power Supply (12 VDC/24 VAC)
7	Reset	8*	ABF (Auto Back Focus)
9	Memory Card Slot	10	Video Out
11	Grounding Screw	12	Power Output (12 VDC, 200mA)
13	Grounding	14	Audio Input
15	Audio Output	16	Grounding
17	Alarm Output	18	RS-485
19	Grounding	20	Alarm Input

Note:

- Power indicator: red stands for starting and blue for working.
- To reset the camera default parameters, you need to press and hold the RESET button and power on the camera. After the power on of the camera, you must still press and hold the Reset button for about 10 seconds.
- ABF is supported by certain camera models.

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, 24 VAC or PoE (802.3af), please 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:

- Make sure that there is no reflective surface too close to the camera lens. The IR light from the camera may reflect back into the lens causing reflection.

2.1 Memory Card Installation

Steps:

1. Insert the memory card to memory card slot on the rear panel of the camera.
2. (Optional) If you want to unmount the memory card, push to get it ejected.

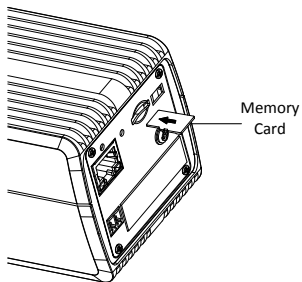


Figure 2-1 Memory Card Installation

2.2 Lens Installation

Before you start:

The lens shown below is only for demonstration.

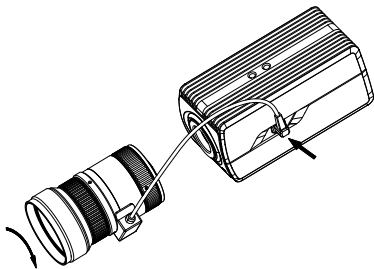


Figure 2-2 Lens Installation

Steps:

1. Fit the lens (not supplied) to the camera and rotate it to get it tightened.

Notes:

- Install the adapter ring to the lens interface if a C-mount lens is used.
 - A manual-iris lens can be directly installed to the camera without plugging the power cable of the auto-iris to the auto-iris interface.
2. Plug the auto-iris cable to the auto-iris interface.

2.3 CameraMounting

2.3.1 Pendant Mounting

Before you start:

Pendant mount is not included in package. If you adopt this mounting style, you need to prepare a mounting bracket in advance. The shown pendant mount is for demonstration.

Steps:

1. Install the pendant mount to the ceiling with the supplied screws.

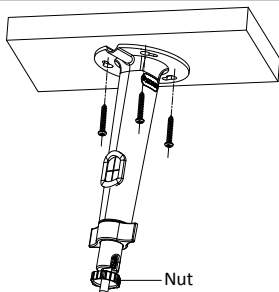


Figure 2-3 Install the Mount

2. Screw the camera to pendant mount and tighten the nut.
3. Adjust surveillance angle

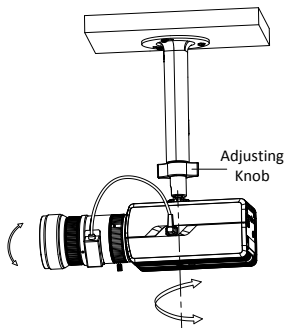


Figure 2-4 Adjust Surveillance Angle

- 1). Loosen the adjusting knob.
 - 2). Hold the camera body to adjust panning and tilting position.
 - 3). Tighten the knob after adjustment.
4. Adjust zoom and focus level. Refer to *Section 2.5*.

2.3.2 Wall Mounting

Before you start:

Wall mount is not included in package. If you adopt this mounting style, you need to prepare a mounting bracket in advance. The shown wall mount is for demonstration.

Steps:

1. Separate the pedestal from the wall mount.

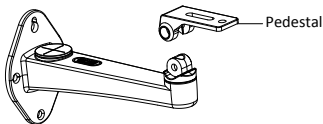


Figure 2-5 Separate Pedestal

2. Fix the pedestal to camera body.

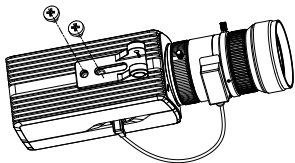


Figure 2-6 Fix Pedestal to Camera

3. Install the wall mount to wall.
4. Install the pedestal together with the camera back to wall mount.

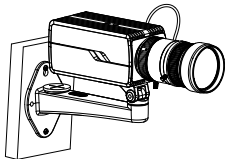


Figure 2-7 Install Camera to Wall Mount

5. Adjust the surveillance angle.
 - 1). Loosen tilt adjusting screw. Tighten the screw after adjusting.
 - 2). Loosen pan adjusting screw. Tighten the screw after adjusting.

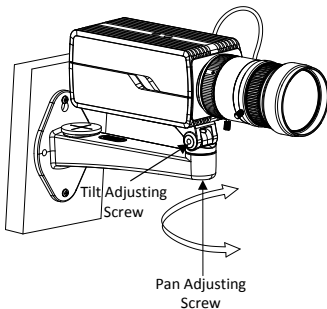


Figure 2-8 Adjust Surveillance Angle

6. Adjust zoom and focus level. Refer to *Section 2.5*.

2.4 Mounting with Housing

Before you start:

The shown housing is not included in package. You need to prepare one if you adopt this mounting style.

Also, for housing mounting, you need to prepare suitable brackets in advance.

Steps:

1. Screw the camera to mounting plate of the housing.

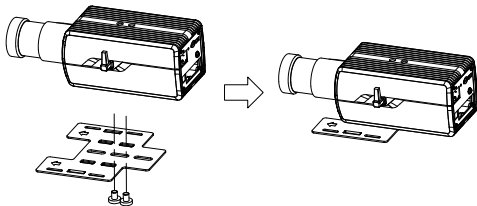


Figure 2-9 Install Camera to Mounting Plate

2. Screw the mounting plate together with the camera back to the housing.

Note:

Push the camera as close to the window as possible.

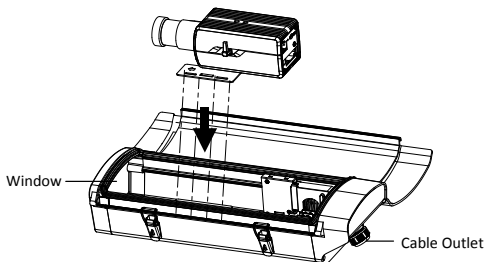


Figure 2-10 Install Camera to Housing

3. Connect and route cables through the cable outlet of the housing.
 - 1). For network, alarm input and output, and audio input and output, plug corresponding plugs to the rear panel of the camera. See Figure 1-1.
 - 2). For power supply and RS-485, see the following figure.

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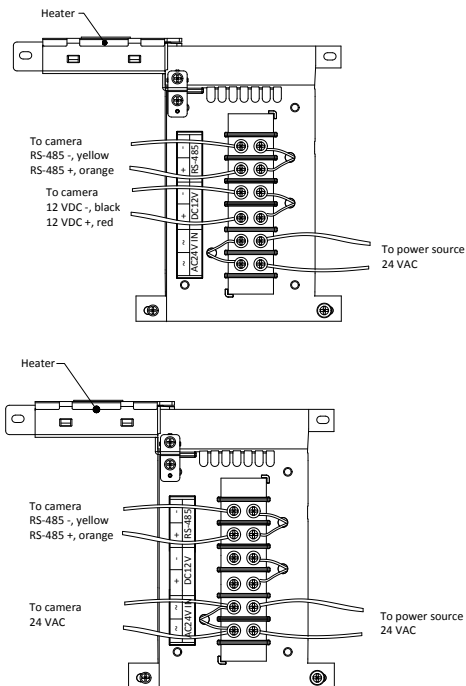
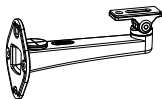


Figure 2-11 Wiring Board in Housing

4. Buckle the housing.
5. Install the housing to surveillance scene.

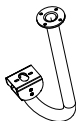
Using brackets, the housing supports wall mounting, pole mounting, and pendant mounting. The brackets are shown in the figures below:



Wall Mount



Horizontal Pole Mount



Pendant Mount

- 1). Install the bracket onto the wall/ceiling/pole. The wall mounting bracket, loop mounting bracket, and the pendant bracket are shown in the figures below.

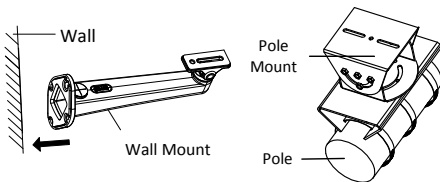


Figure 2-12 Install the Bracket to Mounting Place (1)

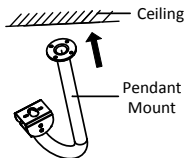


Figure 2-13 Install the Bracket to Mounting Place (2)

- 2). Fix the housing (with camera) onto the bracket with the supplied screws.
- 3). Loosen the adjusting screw to adjust the surveillance angle of the camera. Tighten the screw after adjustment.

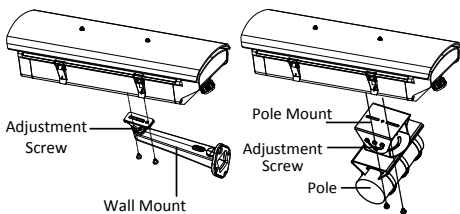


Figure 2-14 Fix the Housing to Brackets (1)

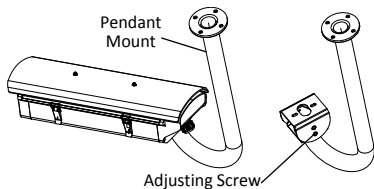


Figure 2-15 Fix the Housing to Brackets (2)

6. Adjust zoom and focus level. Refer to *Section 2.5*.

2.5 Zoom and Focus Adjustment

Steps:

1. Power on the camera.
2. Connect the video out interface of the camera to the installation display device.
3. Adjust the Zoom Lever and Focus Lever according to the image on the display device.

Note:

For the camera equipped with the auto iris, it is suggested you change the iris mode to manual from the camera menu (accessed via web browser), and re-change it back to auto iris after you adjust the focus by the focus lever.

4. (Optional) For the camera supports ABF, you can adjust the focus manually, or click the ABF button on the rear panel of the camera to adjust the focus automatically.

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.

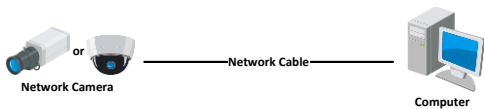


Figure 3-1 Connecting Directly

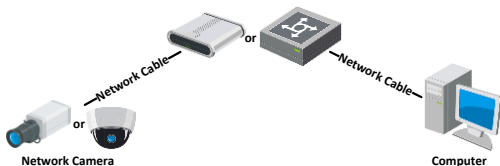


Figure 3-2 Connecting via a Switch or a Router

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.

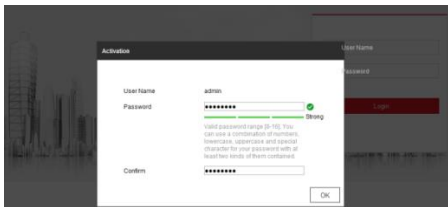


Figure 3-3 Activation Interface(Web)

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.

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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 the inactive device.

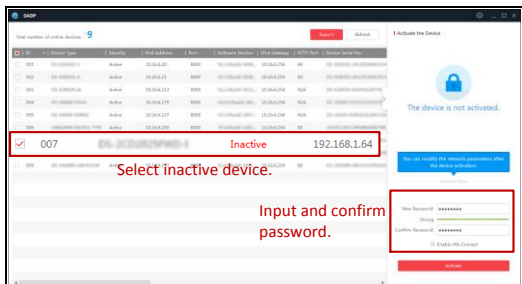


Figure 3-4 SADP Interface

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 Hik-Connect 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 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 checkbox of Enable DHCP.

Modify Network Parameters

Enable DHCP
 Enable Hik-Connect

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 Hik-Connect 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. 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 to 42.

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. Download and install appropriate plug-in for your web browser.

For IE based web browser, webcomponents and QuickTime™ are optional. For non-IE based web browser, webcomponents, QuickTime™, VLC and MJPEG are optional.

Note:

You may have to close the web browser to finish the installation of the 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 Hik-Connect App

Purpose:

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

Note:

Hik-Connect service is not supported by certain camera models.

5.1 Enable Hik-Connect Service on Camera

Purpose:

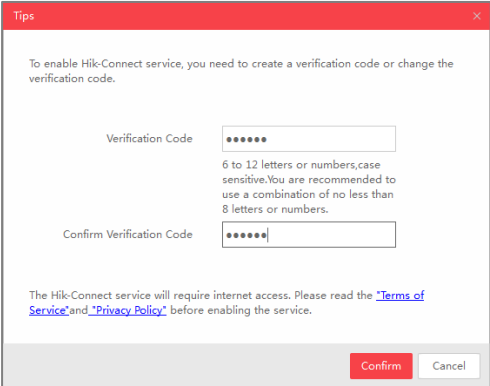
Hik-Connect service should be enabled on your camera before using the service.

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

5.1.1 Enable Hik-Connect Service via SADP Software

Steps:

1. Check the checkbox of **Enable Hik-Connect** 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.



The screenshot shows a dialog box titled "Tips" with a red header and a close button (X) in the top right corner. The main text reads: "To enable Hik-Connect service, you need to create a verification code or change the verification code." Below this, there are two input fields. The first is labeled "Verification Code" and contains six dots. To its right, the text says: "6 to 12 letters or numbers, case sensitive. You are recommended to use a combination of no less than 8 letters or numbers." The second input field is labeled "Confirm Verification Code" and contains six dots with a cursor at the end. At the bottom of the dialog, there is a red "Confirm" button and a white "Cancel" button. A note at the bottom of the dialog states: "The Hik-Connect service will require internet access. Please read the [\"Terms of Service\"](#) and [\"Privacy Policy\"](#) before enabling the service."

Figure 5-1 Verification Code Setting (SADP)

Note:

The verification code is required when you add the camera to Hik-Connect app.

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

5.1.2 Enable Hik-Connect 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 via 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 Hik-Connect.
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 Hik-Connect app.

7. Save the settings.

5.2 Hik-Connect Setup

Steps:

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

5.3 Adding Camera to Hik-Connect

Before you start:

You need to enable the Hik-Connect service on camera before adding it to your Hik-Connect 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 Hik-Connect app.

2. In the Hik-Connect 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.

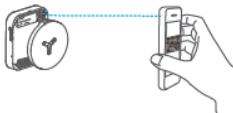



Figure 5-4 Scan QR Code

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 Hik-Connect 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 Hik-Connect account.

Note:

For detailed information, refer to the user manual of the Hik-Connect 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.



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