Wireless Bridge

Quick Start Guide

Legal Information

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About this Manual

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 of this Manual at the Hikvision website (https://www.hikvision.com/).

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Preface

Applicable Models

This manual is applicable to the DS-3WF Series wireless bridge.

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.

Safety Instructions

Danger

- This is a class A product and may cause radio interference in which case the user may be required to take adequate measures.
- No naked flame sources, such as lighted candles, should be placed on the device.
- The serial port of the device is used for debugging only.
- Keep vertical downward when moving or using the equipment.
- Never place the device in an unstable location. The device may fall, causing serious personal injury or death.
- If the device is powered by terminals connected to the power cord, ensure correct voltage and wiring of the terminals for connection to mains supply.
- If the device installation is needed:

  1. Install the device according to the instructions in Quick Start Guide.

  2. To prevent injury, this device must be securely attached to the installation surface in accordance with the installation instructions.

Caution

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- The socket-outlet shall be installed near the device and shall be easily accessible.
- Do not connect several devices to one power adapter as adapter overload may cause overheating or a fire hazard.
- If a power adapter is provided in the device package, use the provided adapter only. If no power adapter is provided, ensure the power adapter or other power supply complies with Limited Power Source. Refer to the product label for the power supply output parameters.
- Please make sure that the plug is firmly connected to the power socket.
- Do not touch the bare components (such as the metal contacts of the inlets) and wait for at least 5 minutes, since electricity may still exist after the device is powered off.
- The interface varies with the models. Please refer to the product datasheet for details.
- If the device needs to be wired by yourself, select the corresponding wire to supply power according to the electric parameters labeled on the device. Strip off wire with a standard wire stripper at corresponding position. To avoid serious consequences, the length of stripped wire shall be appropriate, and conductors shall not be exposed.
- Make sure that the power has been disconnected before you wire, install, or disassemble the device.
- If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.
- If the device supports wall mounting or ceiling mounting, the mounting surface shall be able to withstand the additional force of three times the weight of the device but not less than 50 N. The device and its associated mounting means shall remain secure during the installation. After the installation, the device, including any associated mounting plate, shall not be damaged. Refer to Datasheet for details.

Chapter 1 Introduction

The 2.4 GHz wireless bridge (hereinafter referred to as the device) is used for long-distance wireless connection, which is suited for elevator wireless video transmission between sites in a LAN.

1.1 Interface/Button

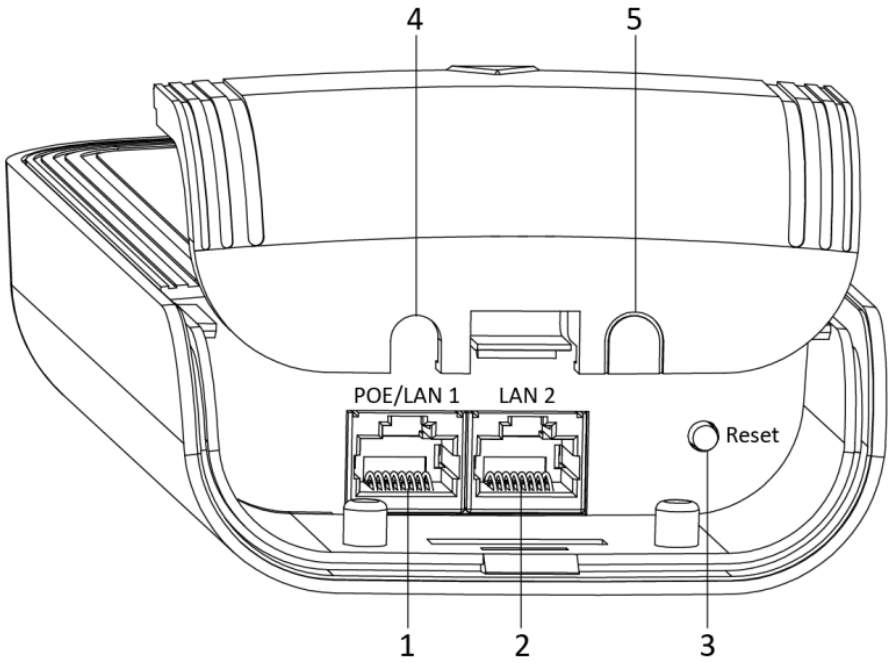


Figure 1-1 Device Interface/Button

Table 1-1 Device Interface/Button Description

No.	Interface/Button	Description
1	PoE/LAN 1	The 10/100 Mbps adaptive RJ45 port, also can be used as a PoE port.
2	LAN 2	The 10/100 Mbps adaptive RJ45 port.
3	Reset	Long press for 4 seconds to restore to factory settings.
4/5	Network Cable Slot	Reserved for easy placement of the network cables.

1.2 Indicator

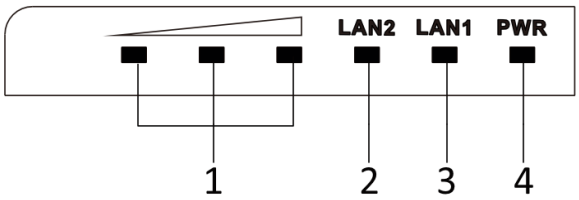


Figure 1-2 Device Indicator

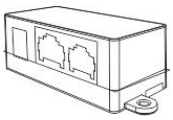
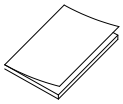
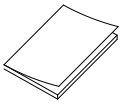
Table 1-2 Device Indicator Description

No.	Indicator	Description	
1	Signal Strength Indicator	Solid on	The devices are matched. ● Solid red, yellow, and green: The wireless signal is strong. ● Solid red and yellow, unlit green: The wireless signal is normal. ● Solid red, unlit yellow and green: The wireless signal is weak. Please adjust the position and direction of the device.
		Unlit	The devices are not matched.
2/3	LAN 2/LAN 1 Indicator	Solid Green	The port is connected.
		Flashing Green	The port is transmitting data. The faster the indicator flashes, the greater the transmission rate is.
		Unlit	The port is disconnected or connection is abnormal.
4	Power Indicator	Solid Green	The device is powered on normally.
		Unlit	No power supply connected or power supply is abnormal.

1.3 Packing List

Please check if there is any damage of the package first. According to the packing list, make sure no item is lost. After checking all the items included, you can continue to install the device.

Table 1-3 Packing List

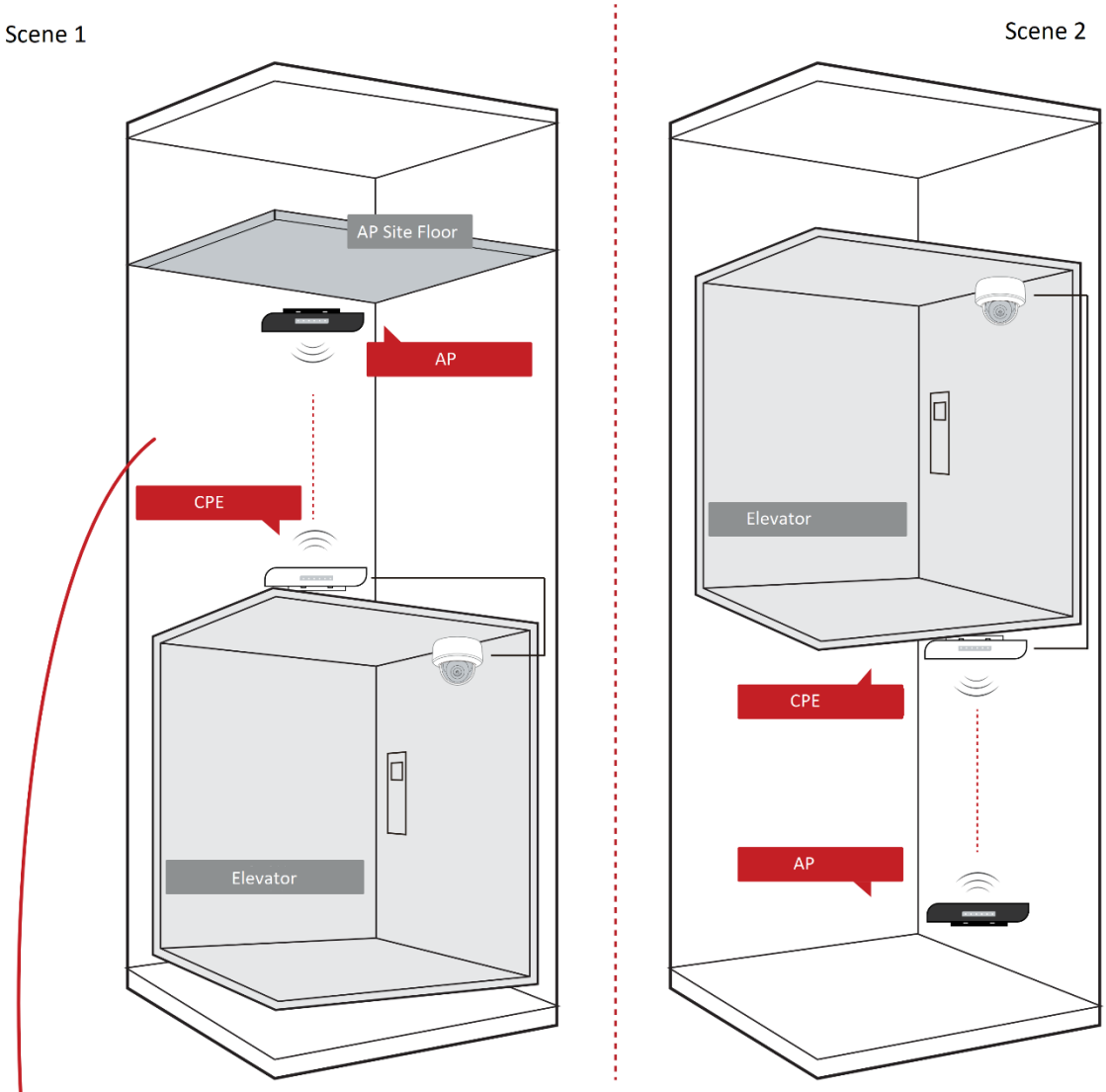
Item	Quantity	Item	Quantity	Item	Quantity
Wireless Bridge	× 2	 PoE Injector	×2	Power Adapter	× 2
Cable Tie	× 4	 Quick Start Guide	× 1	 Regulatory Compliance and Safety Information	× 1

1.4 Application Scene

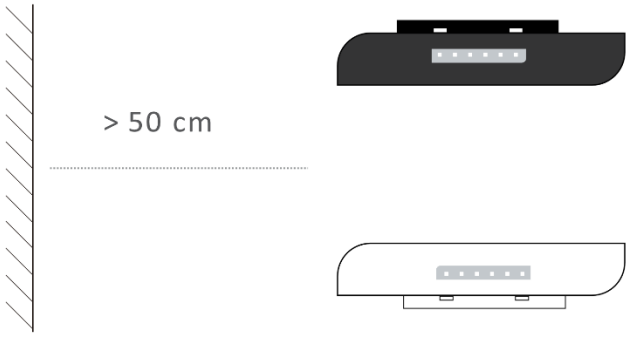
The following application scenes are for your reference only. The actual scene prevails.

Note

The device image used here is only for example purpose. The actual device may vary with models.



Installation Tips:



- Device surfaces with brand Logos should be placed face to face without any obstacles.
- It is recomended to set aside at least 50 cm distance between the device and the wall.

Figure 1-3 Application Scenes

Chapter 2 Installation & Connection

2.1 Preparation for Installation

To avoid device damage or personal injury caused by improper usage of the device, please follow the preparations below.

- Use the attached power adapter and PoE injector to power the device.
- The distance between the AP and the CPE should be less than the suggested distance to secure transmission rate.
- At least 2 m distance should be kept between two adjacent devices.
- Install the device in the place where the maintenance personnel can operate easily.
- The devices should be installed face to face and the max. angle of deviation is 30°.
- Disconnect the power supply when you have the device serviced.
- The temperature of the cover area will be high when the device is working. In the circumstances, only personnel with relevant professional knowledge, such as installation and maintenance personnel, are allowed to operate the device.

2.2 AP Installation

It is recommended to install the AP by using a wall mount bracket.

Note

The bracket should be prepared by yourself.

Step 1 Align screw holes of the wall mount bracket to those of the device back, and insert screws into the aligned screw holes and tighten the screws to fasten the bracket and the AP device.

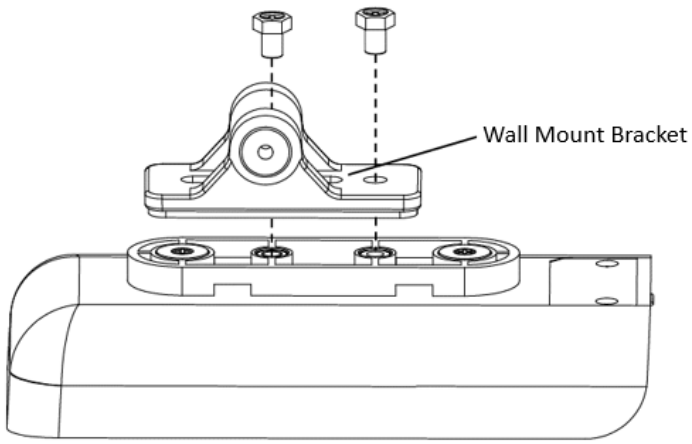


Figure 2-1 Fasten Bracket and AP Device

Step 2 Align screw holes at the joint part of the bracket to those of the bracket arm, and insert the matched screw into the aligned hole and tighten the screw to fasten the bracket and the bracket arm.

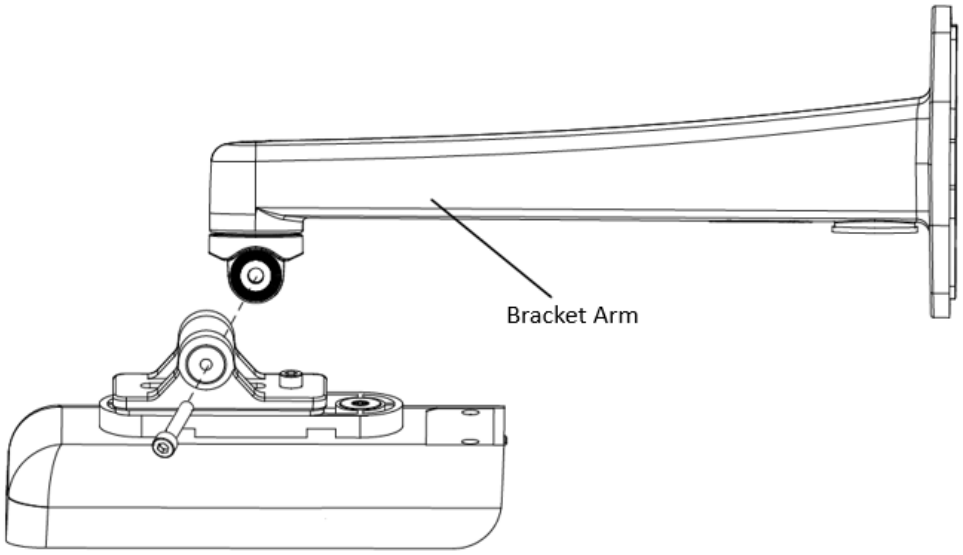


Figure 2-2 Fasten Bracket and Bracket Arm

Step 3 Install the device onto the chosen wall by tightening screws inserted into the holes that are drilled according to the bottom holes of the bracket arm.

Note

Adjust the direction of the device manually to keep the device installed horizontally.

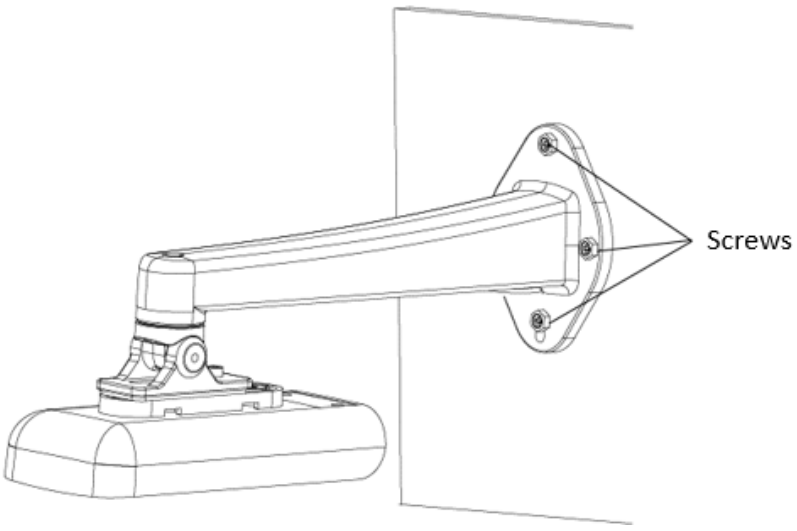


Figure 2-3 Install Device onto Wall

2.3 CPE Installation

The CPE should be installed in pole-mounted manner.

Step 1 Thread the cable ties into the installation holes at the back of the device.

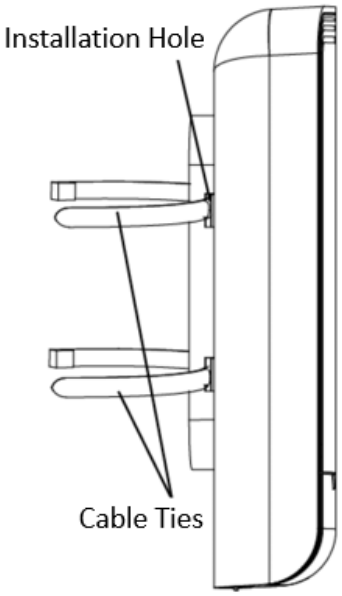


Figure 2-4 Thread Cable Ties

Step 2 Fix and fasten the cable ties on the pole.

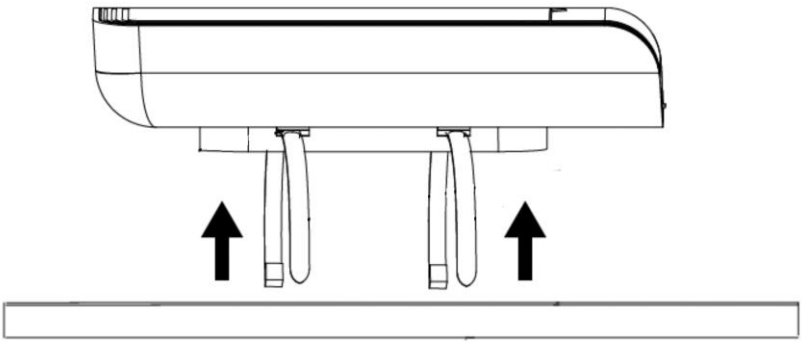


Figure 2-5 Fix Device

Note

Adjust the direction of the device manually to keep the device installed horizontally.

2.4 Device Connection

Based on the actual situations, the device can be set to work in the AP mode or CPE mode. Refer to ***Chapter 4 Remote Management*** for detailed configuration of the device working scene. After the working scene of the device is decided, you can connect the device according to the following wiring diagrams.

Note

- Use the attached power adapter and PoE injector to power on the device.
- The PoE injector must be connected to an earthed socket outlet.
- The devices in the package should be used in pair and cannot be used arbitrarily together with another incompatible device.

2.4.1 AP Connection

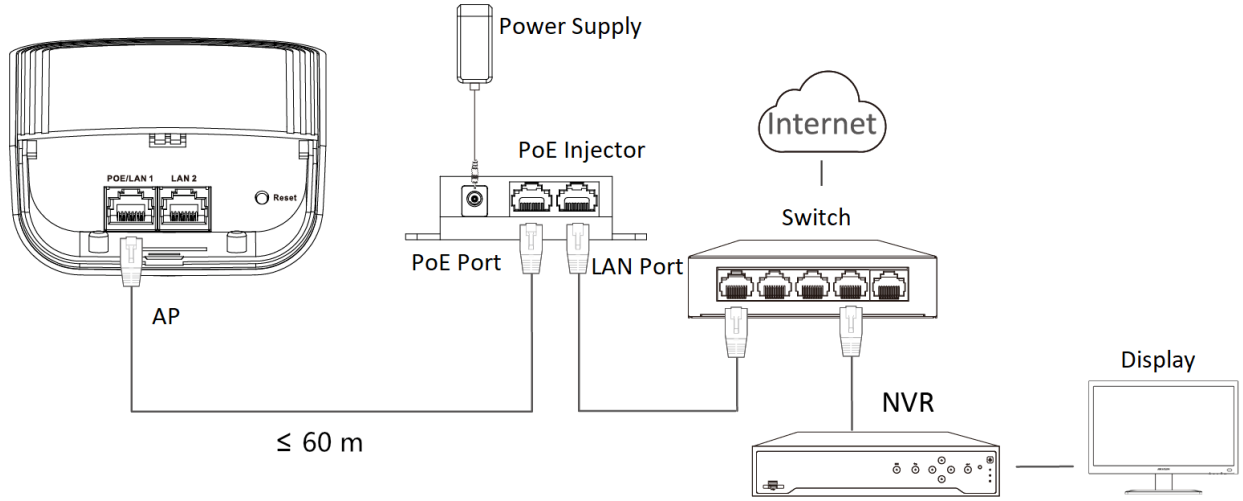


Figure 2-6 AP Connection

2.4.2 CPE Connection

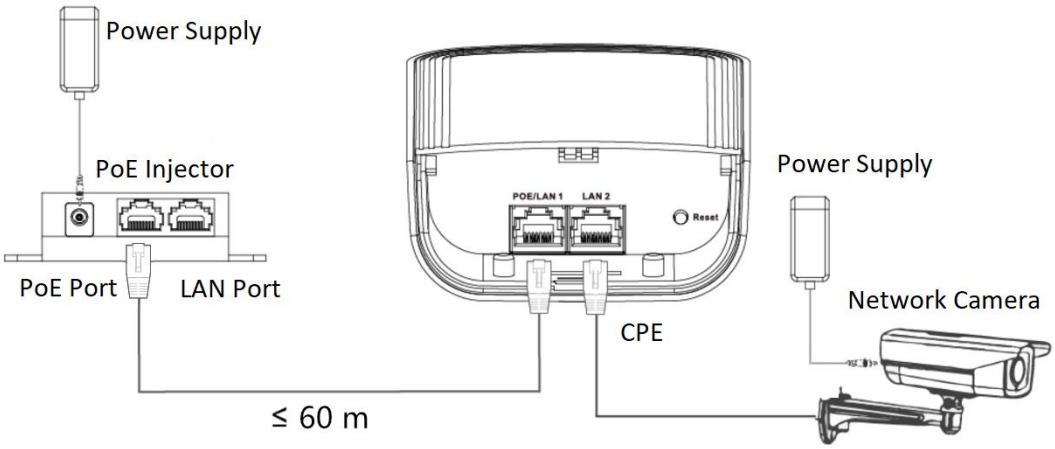


Figure 2-7 CPE Connection

See ***1.2 Indicator*** for details after device connection, to check device working status, network connection, and signal strength.

Chapter 3 Activation

For the first-time access, you need to activate the device by setting a password. The device can be activated and managed via multiple tools, such as web browser, iVMS-4200 client, SADP software, and HikCentral Professional clients. The following part introduces the activation steps of the device on the web browser and on the iVMS-4200 client. For the activation steps of the device on other tools, please refer to the corresponding user manuals in ***Chapter 4 Remote Management***.

Note

- The password strength of the device can be automatically checked. We highly recommend you to change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of the following categories: uppercase letters, lowercase letters, numbers, and special characters) in order to increase the security of your product.
- We recommend you to change your password regularly, especially in the high security system. Changing the password monthly or weekly can better protect your product.
- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

3.1 Default Information

The device default information is shown as below.

- AP default IP address: 192.168.1.35
- CPE default IP address: 192.168.1.36
- Default user name: admin

3.2 Activation Using Web Browser

Before you start:

- Make sure the device is powered on and connected to the network correctly.
- Make sure the device is in the same network segment with that of the PC.

Step 1 Open the web browser.

Step 2 Enter the default IP address of the device in the address bar of the web browser.

Step 3 Press **Enter** key.

Step 4 Set **Password**.

Step 5 Read and agree with the disclaimer and select **Country/Region Code**.

Step 6 Click **OK** to finish the activation.

3.3 Activation Using iVMS-4200 Client

Before you start:

- Make sure you have downloaded the latest iVMS-4200 client from the official website.
- Make sure the device is powered on and connected to the network correctly.
- Make sure the device is in the same network segment with that of the PC.

Step 1 Run the iVMS-4200 client.

Step 2 Go to **Device Management→Device**.

Step 3 Click **Online Device** to show the online devices.

The searched online devices are displayed in the list.

Step 4 Select the inactive device and click **Activate**.

Step 5 Create a password and confirm the password.

Step 6 Click **OK**.

Step 7 Click **Add**, and set relevant parameters to add the device to the client.

Step 8 Read and agree with the disclaimer and select **Country/Region Code**.

Step 9 Click **OK** to finish the activation.

Chapter 4 Remote Management

After the device activation, you can manage the device remotely using the web browser, iVMS-4200 client, SADP software, and HikCentral Professional clients.

4.1 Web Browser Operations

Scan the QR code below for detailed guidance.

Figure 4-1 Web User Manual

4.2 iVMS-4200 Client Operations

Scan the QR code below for detailed guidance.

Figure 4-2 iVMS-4200 Client User Manual

4.3 SADP Software Operations

Scan the QR code below for detailed guidance.

Figure 4-3 SADP Software User Manual

4.4 HikCentral Professional Operations

Scan the QR code below for detailed guidance.

Figure 4-4 HikCentral Professional Web Client User Manual

Figure 4-5 HikCentral Professional Control Client User Manual

Figure 4-6 HikCentral Professional Mobile Client Function List

See Far, Go Further