

Wireless Bridge

Quick Start Guide

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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.

Chapter 1 Introduction

The 5 GHz wireless bridge (hereinafter referred to as the device) is used for 500 m wireless connection, which is suited for elevator wireless video transmission between sites in a LAN.

1.1 Interface/Button

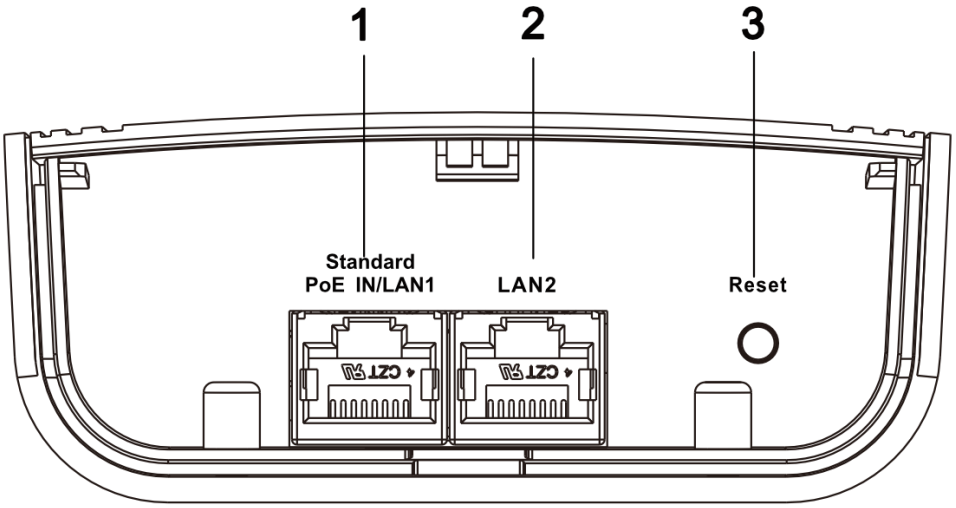


Figure 1-1 AP Device Interface/Button

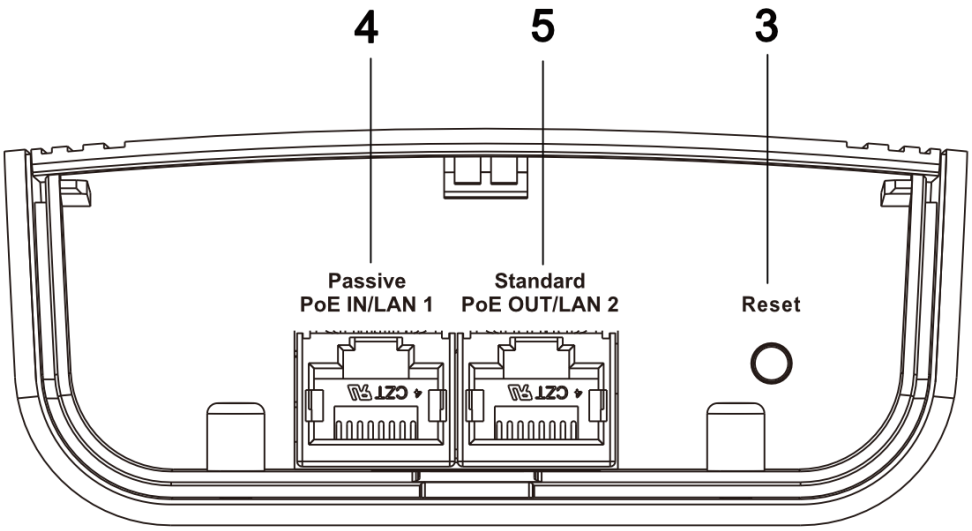


Figure 1-2 CPE Device Interface/Button

Table 1-1 Device Interface/Button Description

No.	Interface/Button	Description
1	Standard PoE IN/LAN 1	The 10/100 Mbps adaptive RJ45 port, also can be used as a standard PoE input port.
2	LAN 2	The 10/100 Mbps adaptive RJ45 port.
3	Reset	Long press for 4 seconds to restore to factory settings.
4	Passive PoE IN/LAN 1	The 10/100 Mbps adaptive RJ45 port, also can be used as a passive PoE input port.
5	Standard PoE OUT/LAN 2	The 10/100 Mbps adaptive RJ45 port, also can be used as a standard PoE output port.

1.2 Indicator

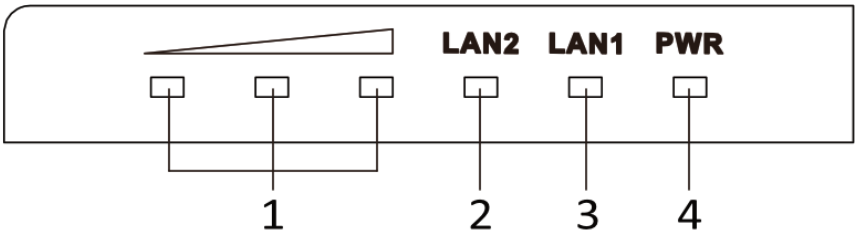


Figure 1-3 Device Indicator

Table 1-2 Device Indicator Description

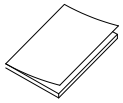
No.	Indicator	Description	
1	Signal Strength Indicator	Solid on	The devices are matched. ● Solid red, yellow, and green: The wireless signal is strong. ● Solid red and yellow, unlit green: The wireless signal is normal. ● Solid red, unlit yellow and green: The wireless signal is weak. Please adjust the 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

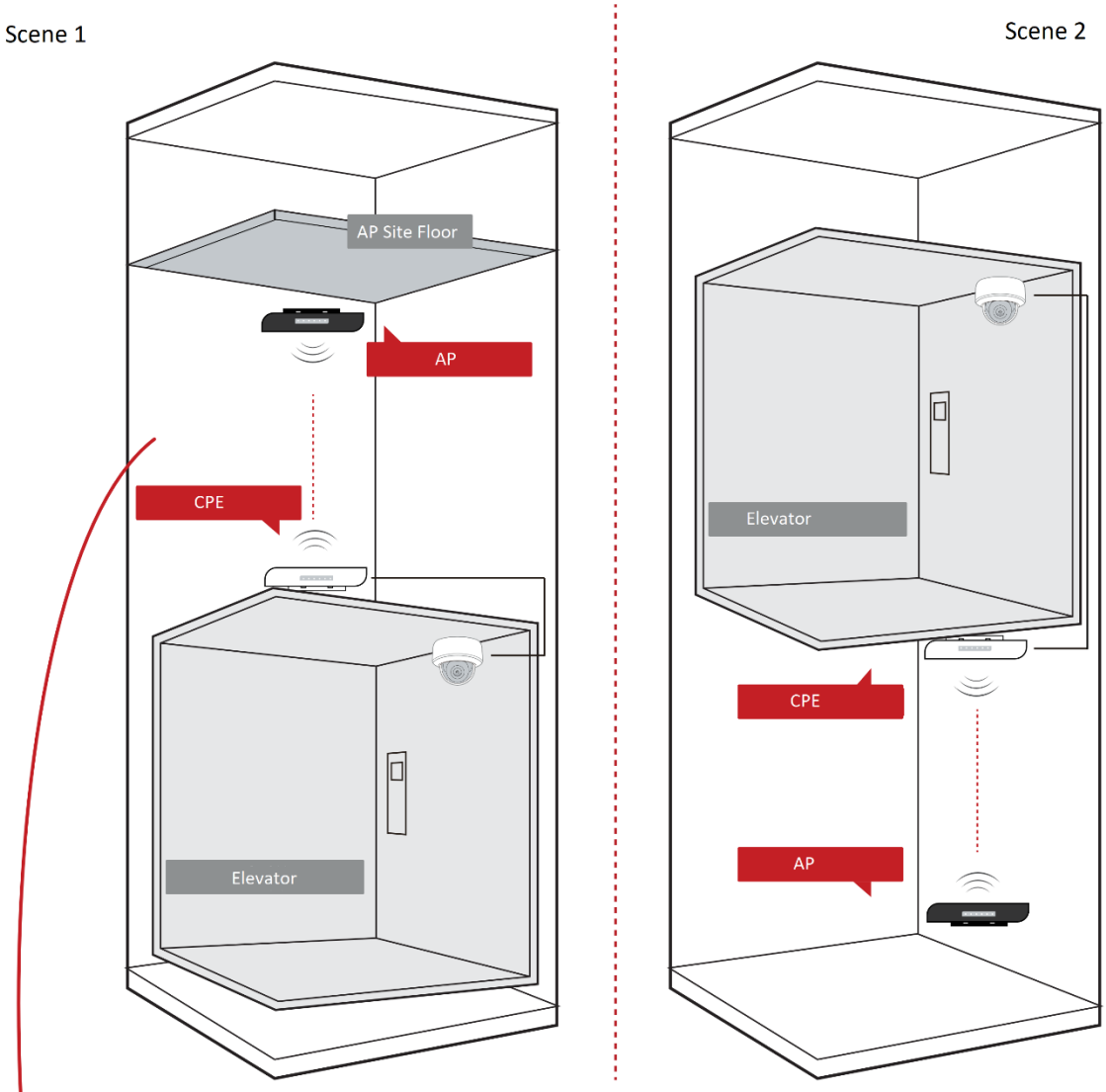
Item	Quantity	Item	Quantity	Item	Quantity
 Wireless Bridge	× 2	 PoE power supply	×2	 AC Cord (Connect to the PoE Power Supply)	× 2
 Quick Start Guide	× 1	 Regulatory Compliance and Safety Information	× 1	 Cable Tie	× 4

1.4 Application Scene

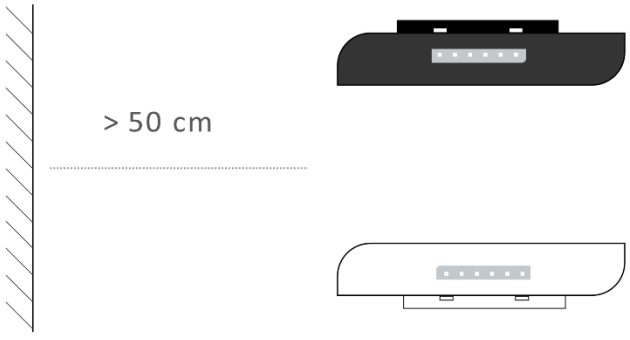
The following application scenes are for your reference only. The actual scene prevails.

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 1-4 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 PoE power supply to power the device.
- The distance between the AP and the CPE should be less than 500 m 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 Pole Installation

The device should be installed in pole-mounted manner.

Note

The wireless bridge is a pair of devices with different colored shells (one black and one white). Please be sure to install the black one on the AP site and the white one on the CPE site. Otherwise, it may cause transmission abnormalities.

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

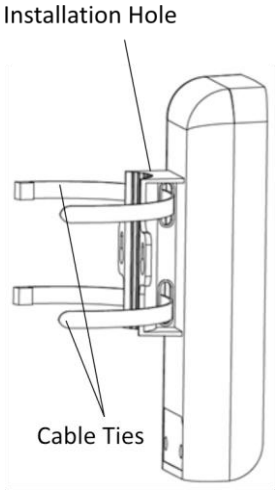


Figure 2-1 Thread Cable Ties

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

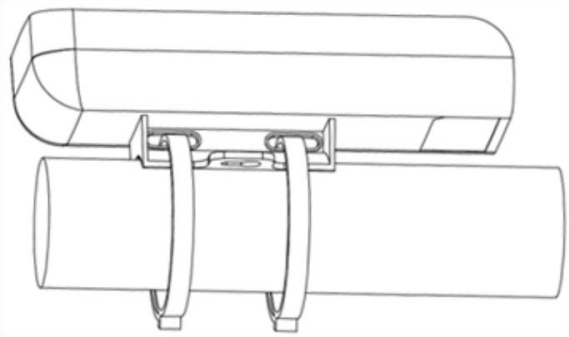


Figure 2-2 Fix Device

Note

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

2.3 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 PoE power supply to power on the device.
- The PoE power supply 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.

AP Connection

AP device can be powered on by the PoE power supply or a PoE switch.

Note

Make sure the PoE power supply is connected with an AC cord.

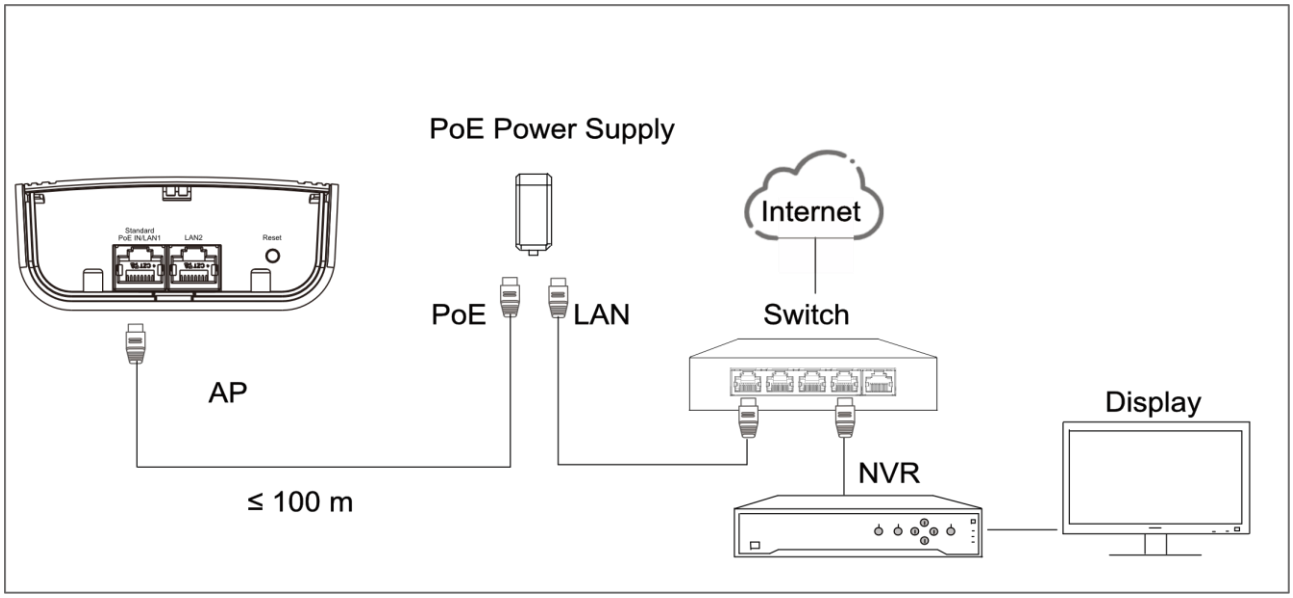


Figure 2-3 AP Connection (With PoE Power Supply)

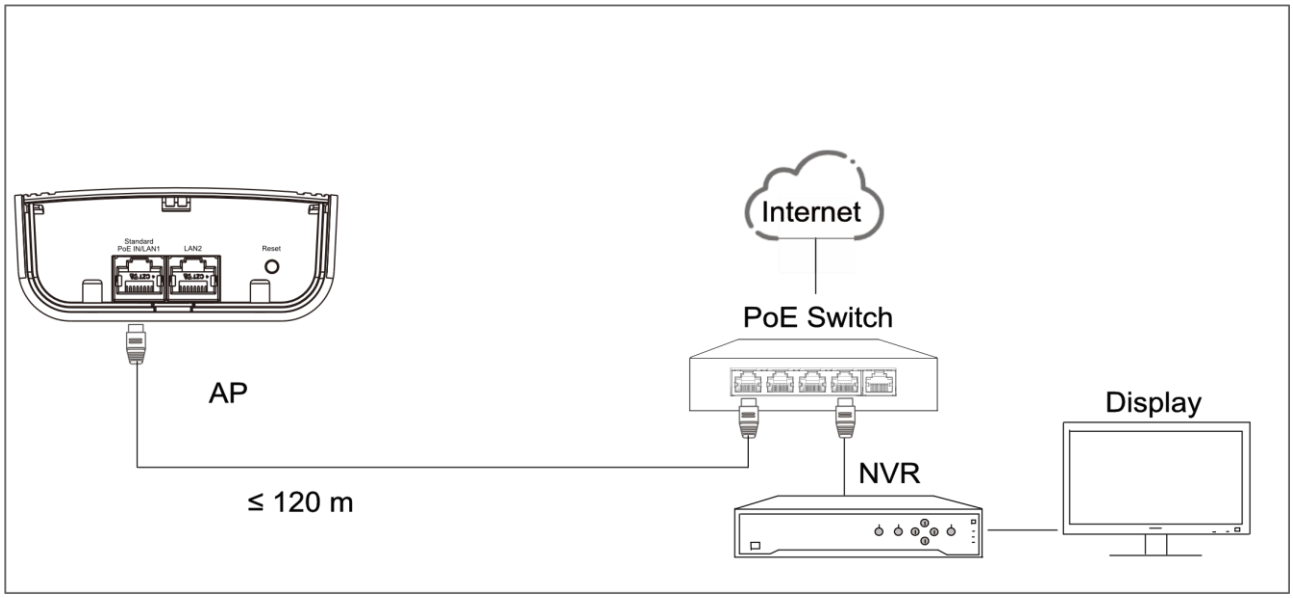


Figure 2-4 AP Connection (With PoE Switch)

CPE Connection

CPE device can supply power to IPC.

Note

Make sure the PoE power supply is connected with an AC cord.

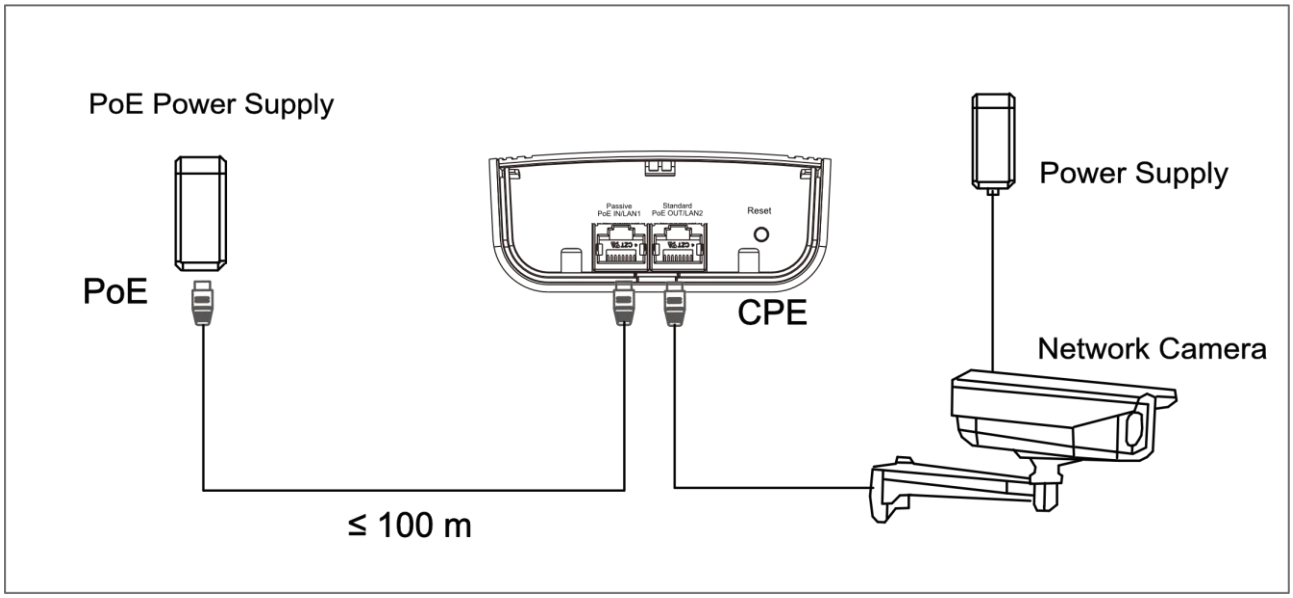


Figure 2-5 CPE Connection

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