

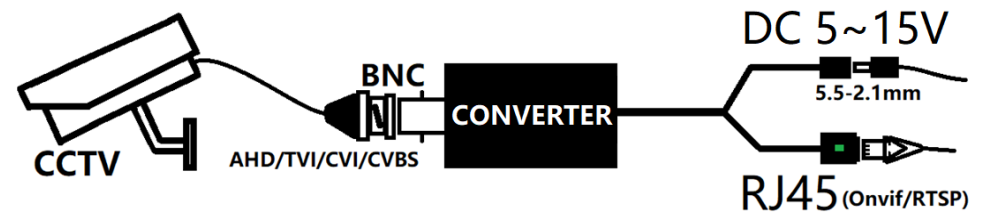
User Guide

Quick start for 4 IN 1 CONVERTER

V 1.0.3

All accessories

4 IN 1 CONVERTER is a converter which can convert AHD/TVI/CVI/CVBS signal into net signal. BNC input, adaptive to all four signal format; RJ45 output, standard ONVIF protocol, support RTSP. It could connect to most NVR and other devices like IP Camera. Input voltage: DC 5~15V.



Parameters:

Input System	PAL/NTSC adaptive
Input Signal	AHD/TVI/CVI/CVBS adaptive
Pixel Max	2MP (1080P@30fps)
Encoding Format	H.264/H.265 (default)
Network Interface	RJ45 10M/100M adaptive
Default IP	Automatic
User Name	admin
Password	admin
ONVIF	Standard, Port number: 8999
RTSP	Main stream: rtsp://XXX.XXX.XXX.XXX/av0_0 Sub stream: rtsp://XXX.XXX.XXX.XXX/av0_1 XXX.XXX.XXX.XXX is the IP address of the Converter Port number: 554(default) Users can modify the port number, add username and password as needed. Attention: After modification, the addresses of the main stream and sub stream will be changed. Please get them through software/APP.
Power Supply	DC 5~15V
Power Consumption	1.5W

How to connect



- 1、 Power supply DC 5~15V. 5V1A or 12V1A
Power supply recommended.



- 2、 Network cable, Connect to Router、 Switch、
NVR、 Computer etc.
- 3、 Camera video in.
- 4、 Camera power.
- 5、 Power LED.
- 6、 Reset button.



Install APP/SOFTWARE

Please use your web browser scan the following QR code, download and install it onto your smartphone/tablet/computer.



Android



iOS



Windows



SX-LINK

Login

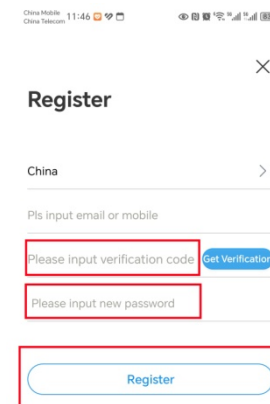
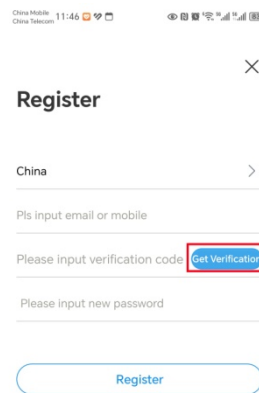
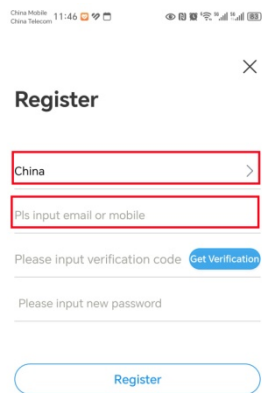
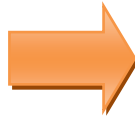
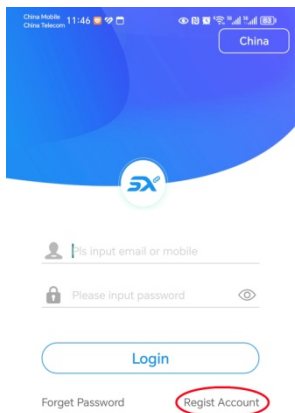
■ If you DO NOT have a registered account

Step 1 Open the App. Tap **Register Account**.

Step 2 Choose the region where you are. Then enter your email address.

Step 3 Tap **GET VERIFICATION**. (Tips: If you do not receive activation code. 1. Please check your spam box. 2. Check if you enter the correct email address. 3. Enter another email address.)

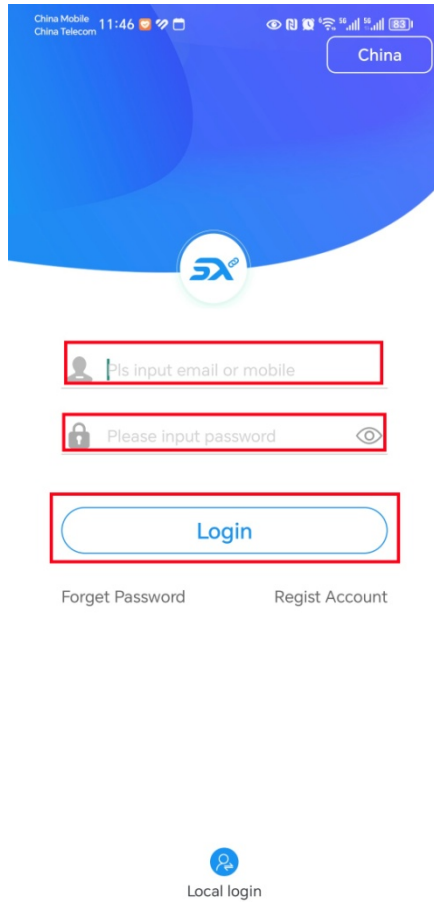
Step 4 Enter the **Verification Code**. Set the login password, and tap **REGISTER**.

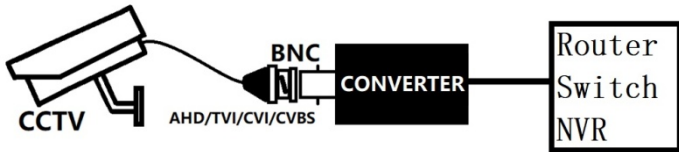


■ **If you already have a registered account**

Step 1 Open the App.

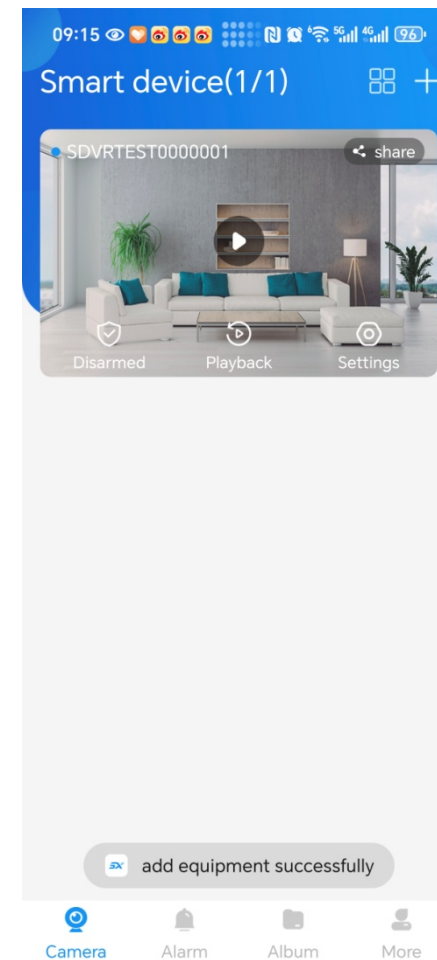
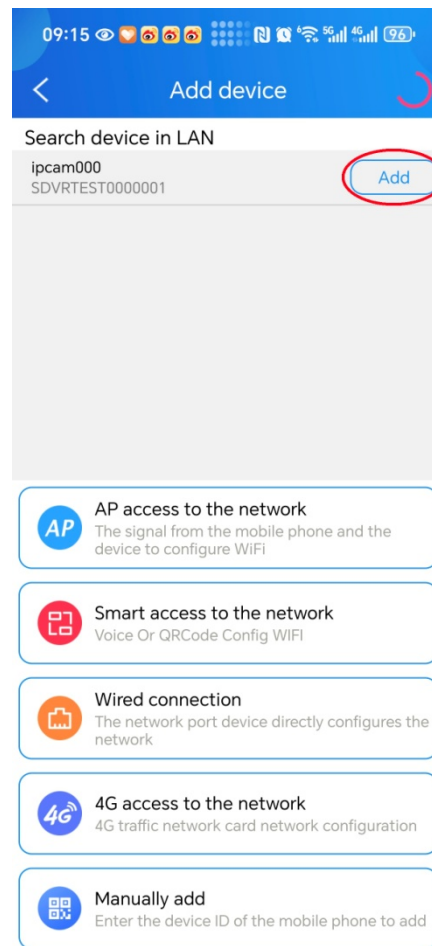
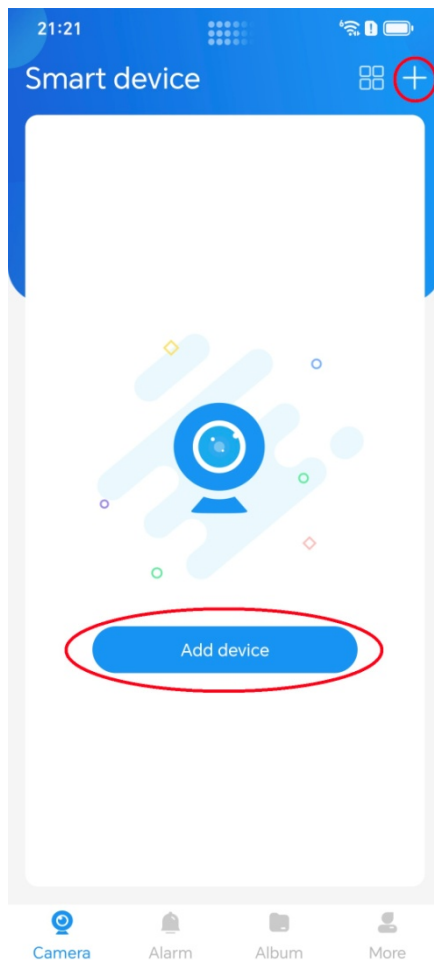
Step 2 Enter the registered Email address and password, and tap **Login**.

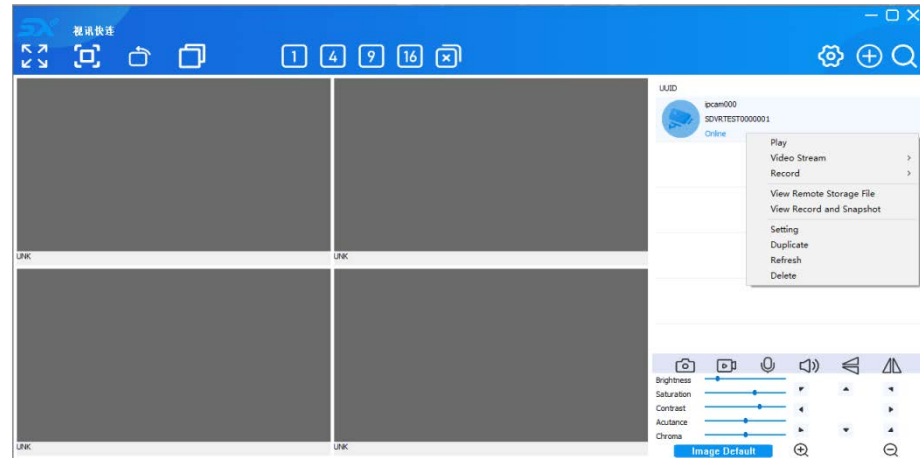
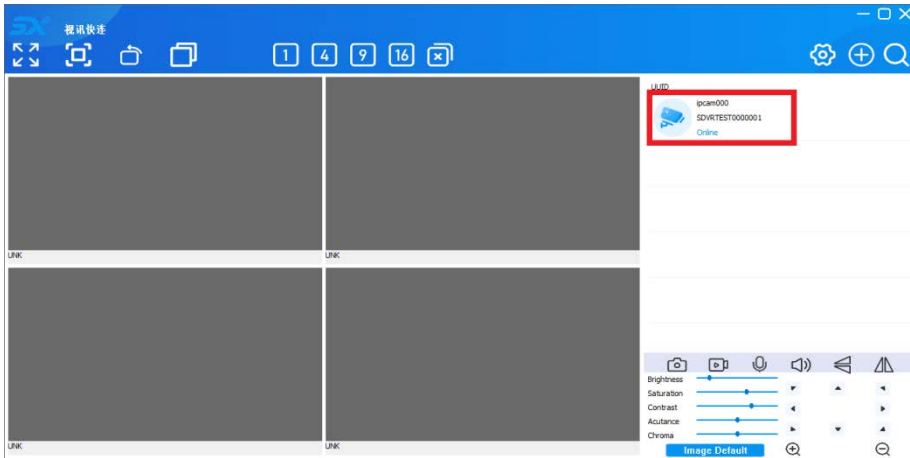




Add device to APP

- Setp1** Connect the device with router or switch or NVR through network cable, power on the device, and confirm that the phone and devices are **in the same LAN**.
- Setp2** Open APP home page, tap **Add device** or **+**.
- Setp3** The APP will find the device then tap **Add**, Wait a moment, the device is added successfully.
- Setp4** You can use APP view, set up device.

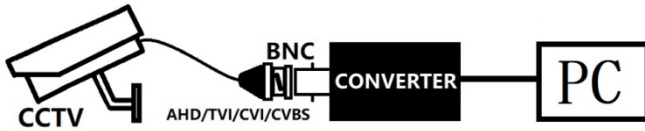




Q & A:

If the device cannot be searched during the process of adding it. Please check:

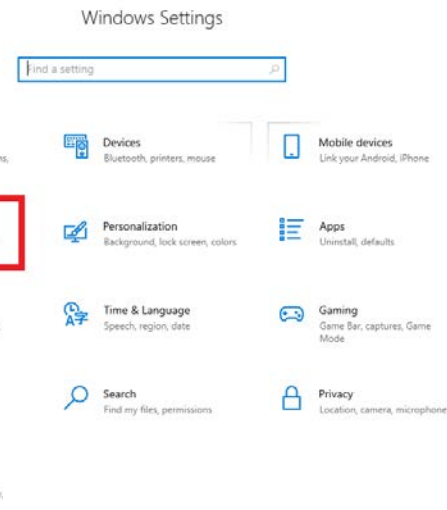
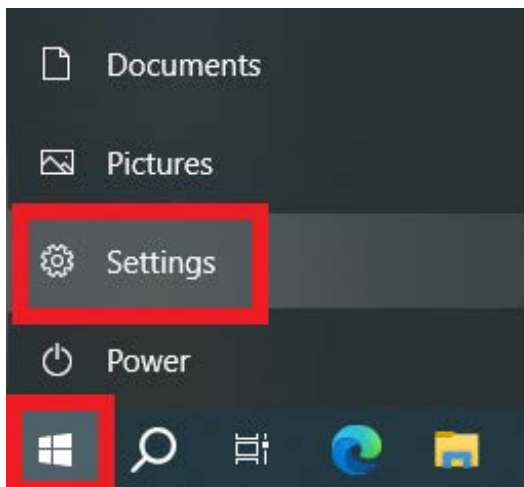
- 1 Power supply.
- 2 Network.
- 3 The factory setting of device is obtain an IP address automatically.
The mobile phone, computer, and device should be **in the same LAN and in the same network segment.**



Device to PC by network cable

- Setp1** Disconnect all network connections of the computer, such as Wi-Fi and network cables.
- Setp2** Confirm that device automatically obtain an IP address. If a fixed IP address has been set, the device can be reset to factory settings to automatically obtain an IP address.
- Setp3** Change the PC IP address, for example, Windows 10 **Click Windows Start** > **Settings** > **Network & Internet** > **Change adapter options** > **Double click Ethernet** > **Ethernet Properties** > **Double click Internet Protocol Version4 (TCP/IPv4)** > **Click Use the following IP address** fill in IP address: 192.168.1.1 Subnet mask: 255.255.255.0 Default gateway: 192.168.1.1 (**Attention: IP address and Default gateway can be modified according by the requirements, for example 192.168.2.1, But IP address and the Default gateway must be the same**) > Click **OK**.
- Setp4** Connect the device and provide power. Connect the device to the computer's Ethernet port using a network cable to establish a direct connection between the computer and the device.
- Setp5** Open SX-LINK, click **Search Device**. The client will search for the device, and the UID, IP, Password come out (**Attention: Computer and device should be in the same network segment. If not, please reset device to factory settings and try again**) > Click **Add selected**.
- Setp6** Wait a moment, the device will be **Online**.
- Setp7** **Double click device icon**, or **right-click device icon**, You can use client play, view, set up device.

Settings - □ ×



Settings

Home

Find a setting

Network & Internet

- Status
- Wi-Fi
- Ethernet
- Dial-up
- VPN
- Airplane mode
- Mobile hotspot
- Proxy

Status

Properties Data usage

Show available networks
View the connection options around you.

Advanced network settings

- Change adapter options**
View network adapters and change connection settings.
- Network and Sharing Center
For the networks you connect to, decide what you want to share.
- Network troubleshooter
Diagnose and fix network problems.

View hardware and connection properties

Windows Firewall

Network reset

Get help
Give feedback



Network Connections

Control Panel > Network and Internet > Network Connections

Search Network Connections

Organize

- Ethernet**
Network cable unplugged
Realtek PCIe GbE Family Controller
- Wi-Fi
Enabled
Intel(R) Wireless-AC 9260 160MHz
- Bluetooth Network Connection
Not connected
Bluetooth Device (Personal Area ...)

3 items

Ethernet Properties

Networking Sharing

Connect using:
Realtek PCIe GbE Family Controller

Configure...

This connection uses the following items:

- Client for Microsoft Networks
- File and Printer Sharing for Microsoft Networks
- QoS Packet Scheduler
- Internet Protocol Version 4 (TCP/IPv4)
- Microsoft Network Adapter Multiplexor Protocol
- Microsoft LLDP Protocol Driver
- Internet Protocol Version 6 (TCP/IPv6)

Install... Uninstall Properties

Description
Allows your computer to access resources on a Microsoft network.

OK Cancel



Ethernet Properties

Networking Sharing

Connect using:
Realtek PCIe GbE Family Controller

Configure...

This connection uses the following items:

- Client for Microsoft Networks
- File and Printer Sharing for Microsoft Networks
- QoS Packet Scheduler
- Internet Protocol Version 4 (TCP/IPv4)**
- Microsoft Network Adapter Multiplexor Protocol
- Microsoft LLDP Protocol Driver
- Internet Protocol Version 6 (TCP/IPv6)

Install... Uninstall Properties

Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

OK Cancel



Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

Obtain an IP address automatically

Use the following IP address:

IP address: 192 . 168 . 1 . 1

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 192 . 168 . 1 . 1

Obtain DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server: . . .

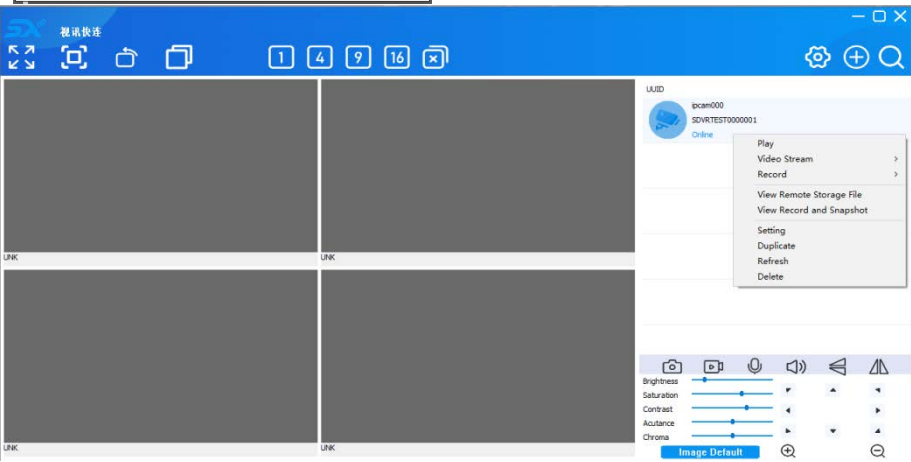
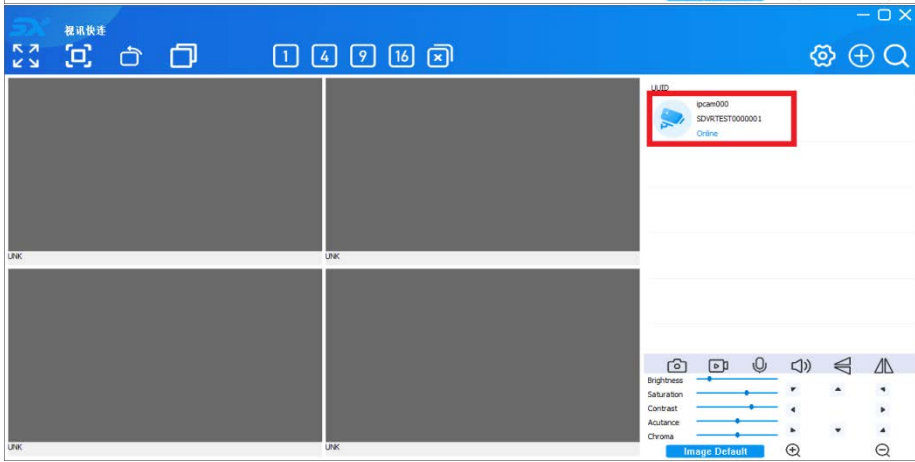
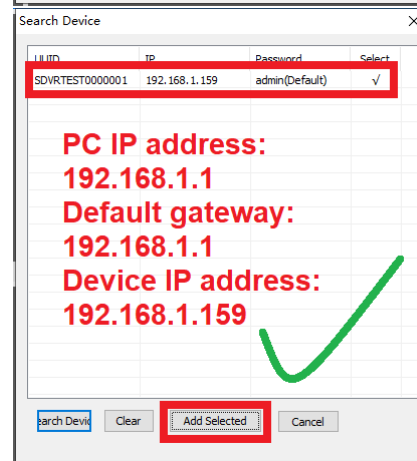
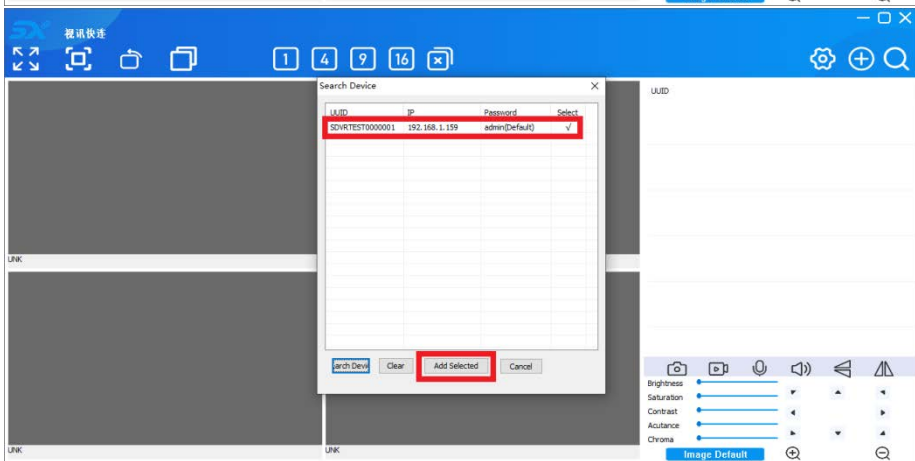
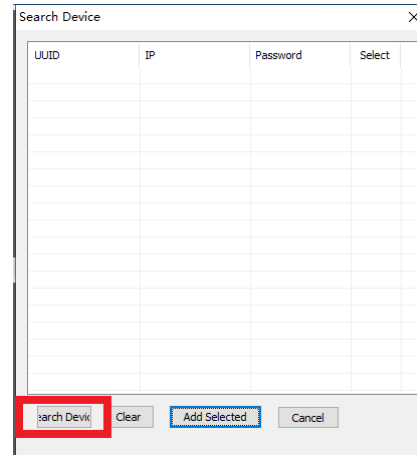
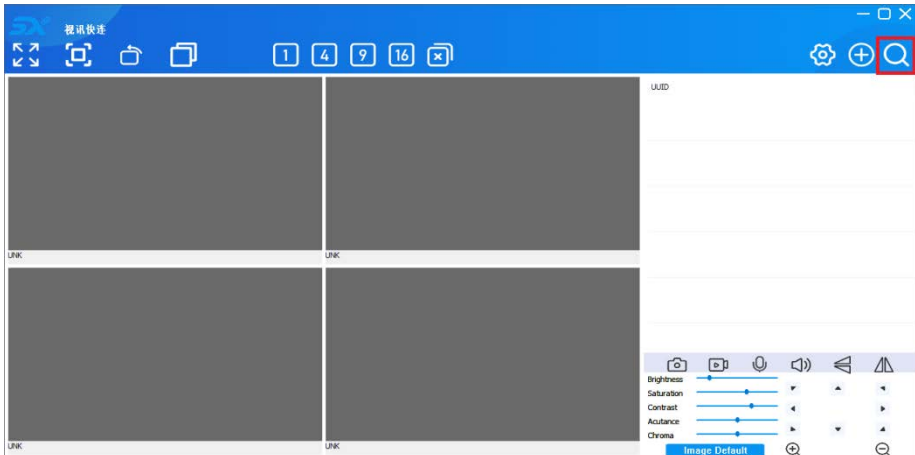
Alternate DNS server: . . .

Validate settings upon exit

Advanced...

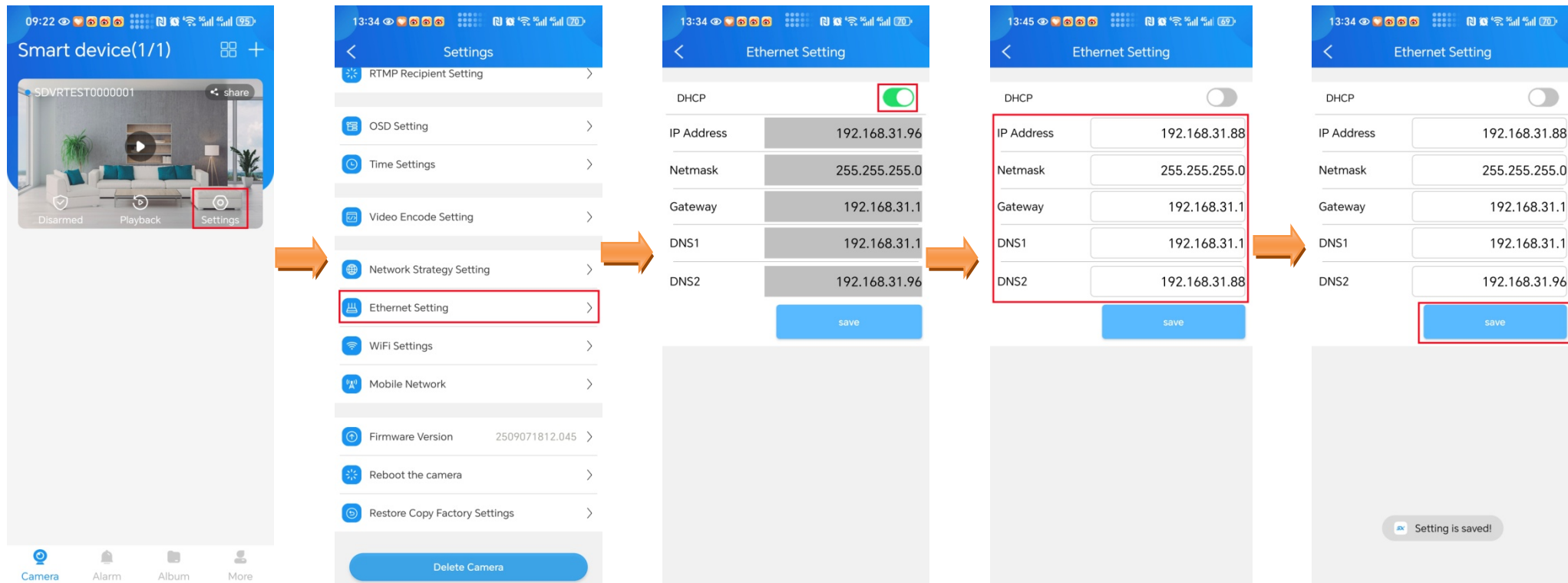
OK Cancel





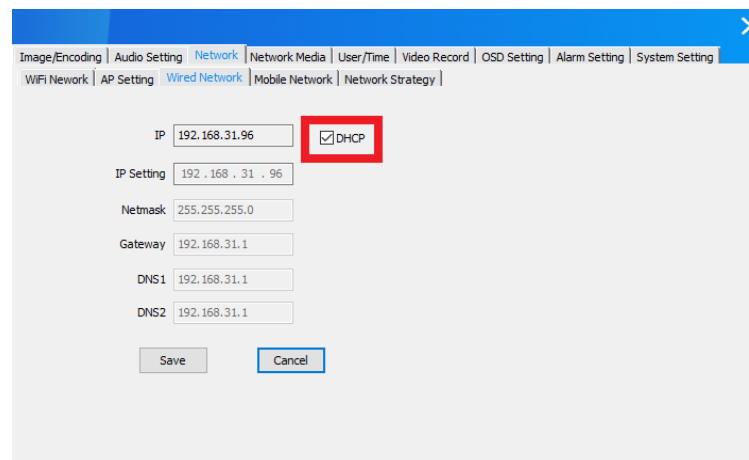
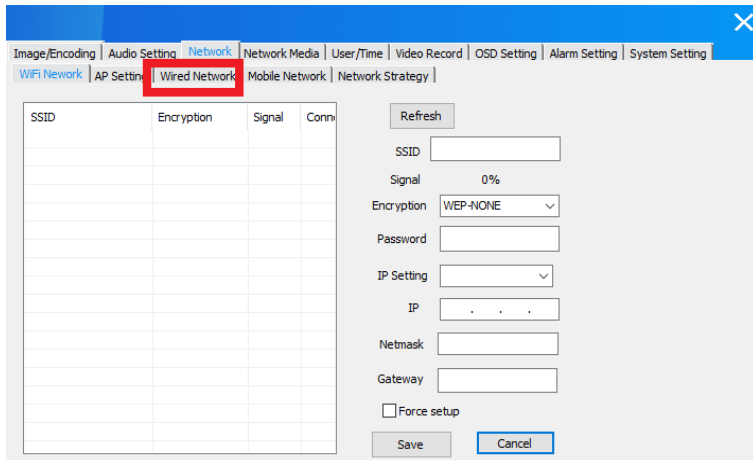
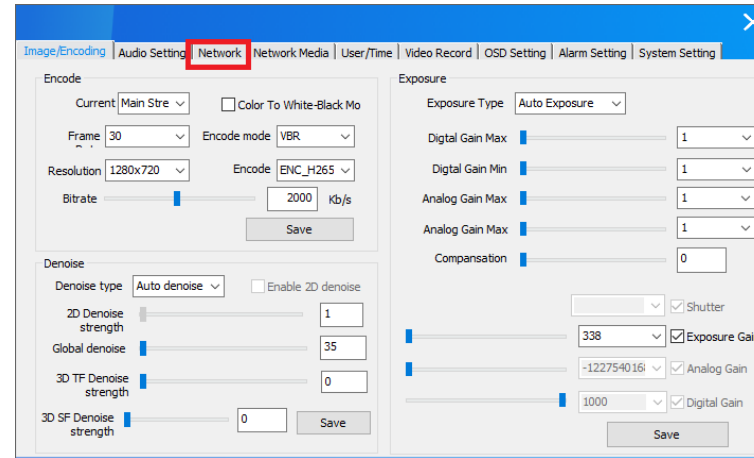
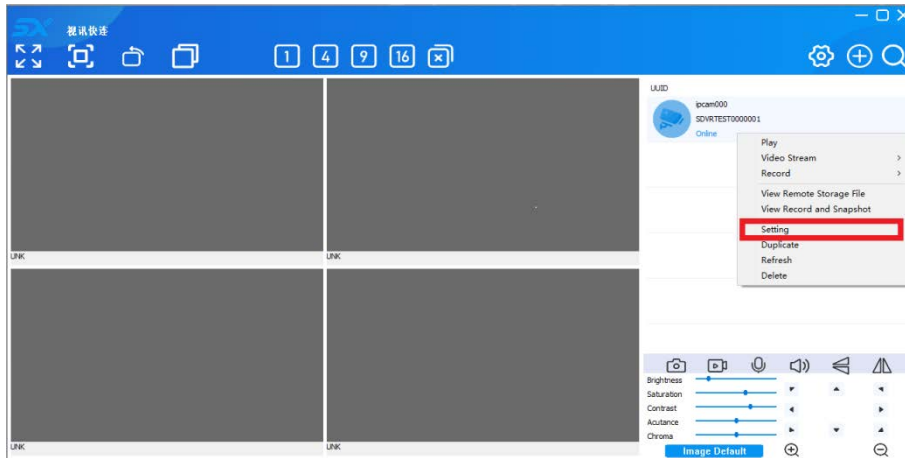
IP Setting (APP)

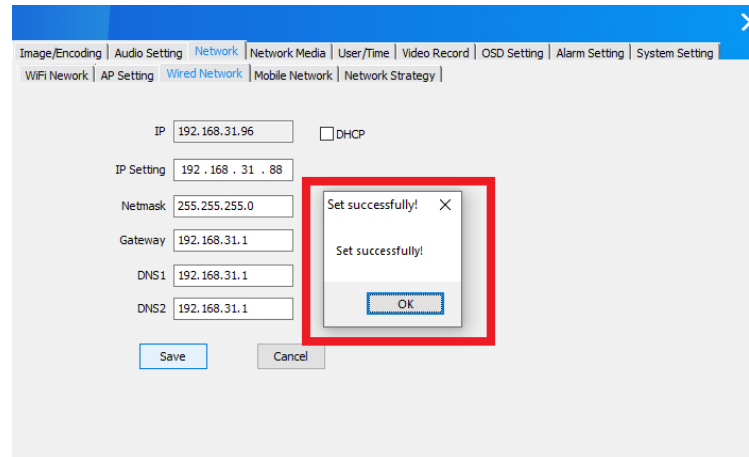
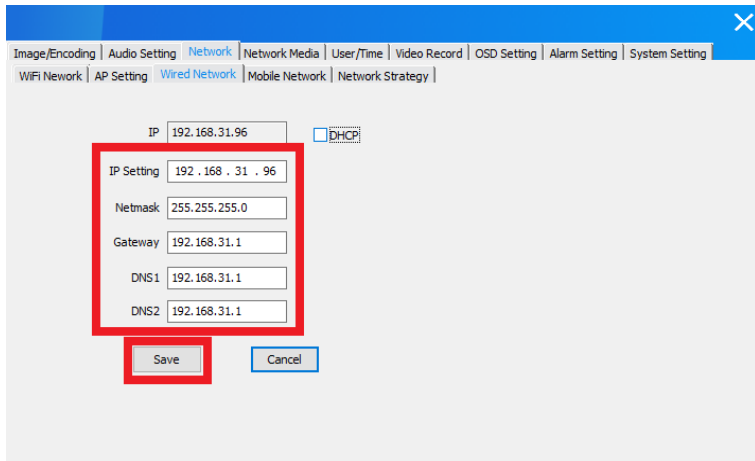
The factory setting of device is obtain an IP address automatically. If a fixed IP address is required, it can be modified through the APP/software. Open APP, find the device you want to set up, **Settings** > **Ethernet Setting** > **Click the switch**, it will change from **green to grey** > **Fill in the IP address according to the requirements** > **Save**.



IP Setting (PC client)

Open SX-LINK, find the device you want to set up, and **right-click on the device icon** > **Setting** > **Network** > **Wired network** > **Cancel** ✓ by **clicking** > ✓ **disappear** > **Fill in the IP address according to the requirements** > **Save** > **OK**.





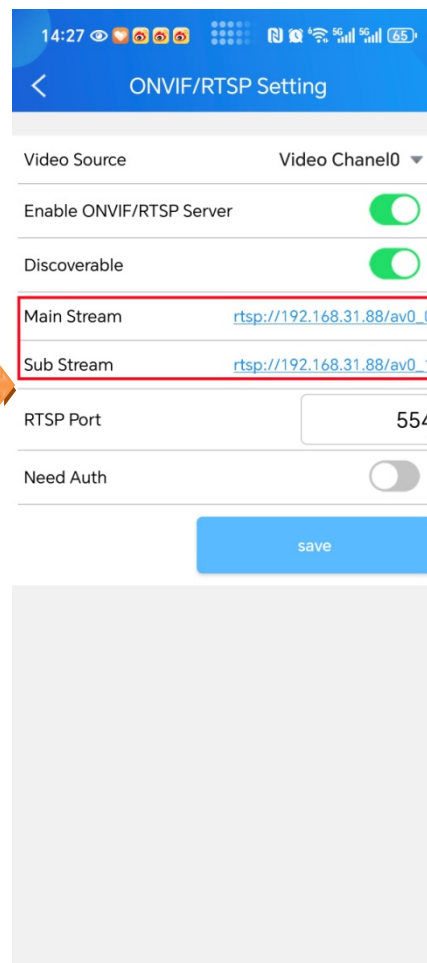
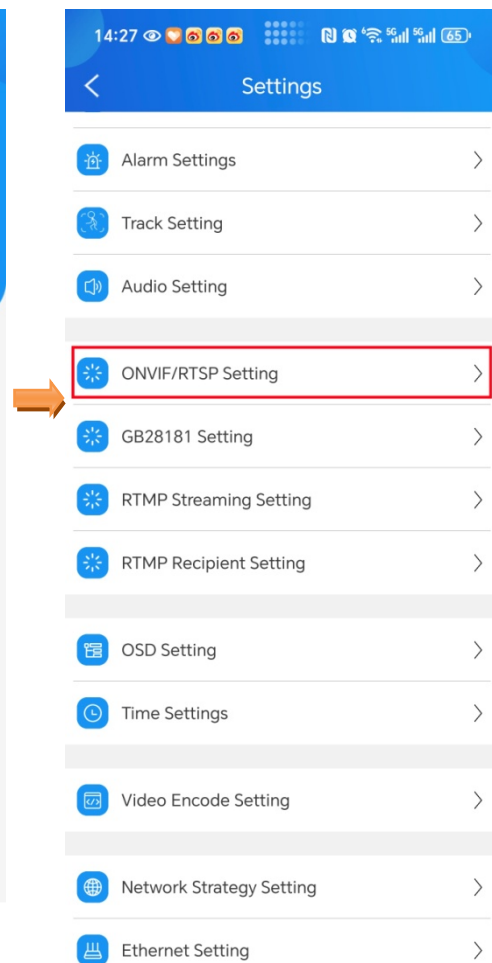
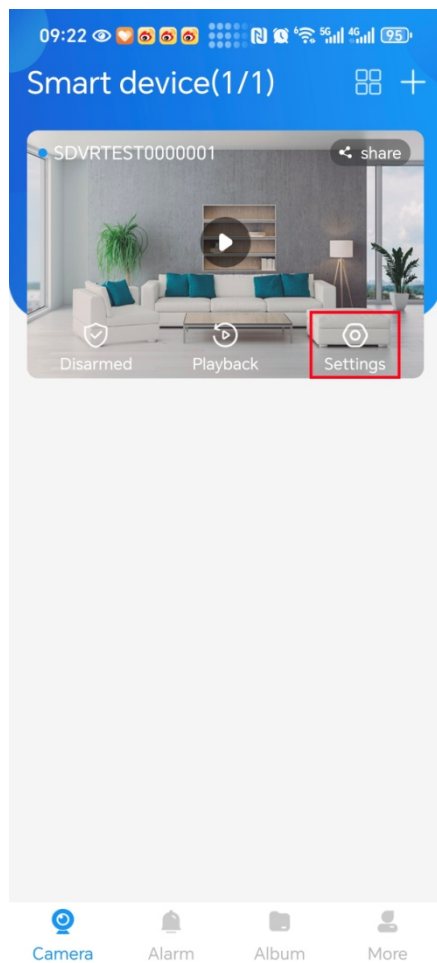
Q & A:

If IP address setting unsuccessful, please check

- 1 Restart device.
- 2 Repeat the setting process.
- 3 Reset device and try again.

RTSP address obtain and setting (APP)

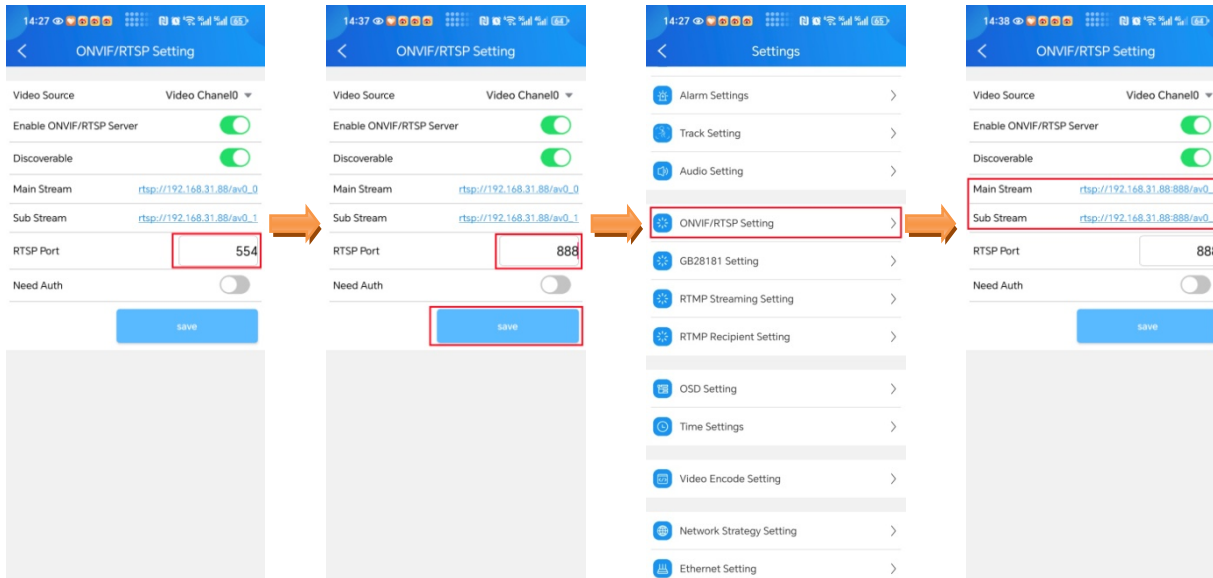
Open APP, find the device you want to set up, **Settings** > **ONVIF/RTSP Setting** > **Obtain RTSP address**.



Main Stream	rtsp://192.168.31.88/av0_0
Sub Stream	rtsp://192.168.31.88/av0_1

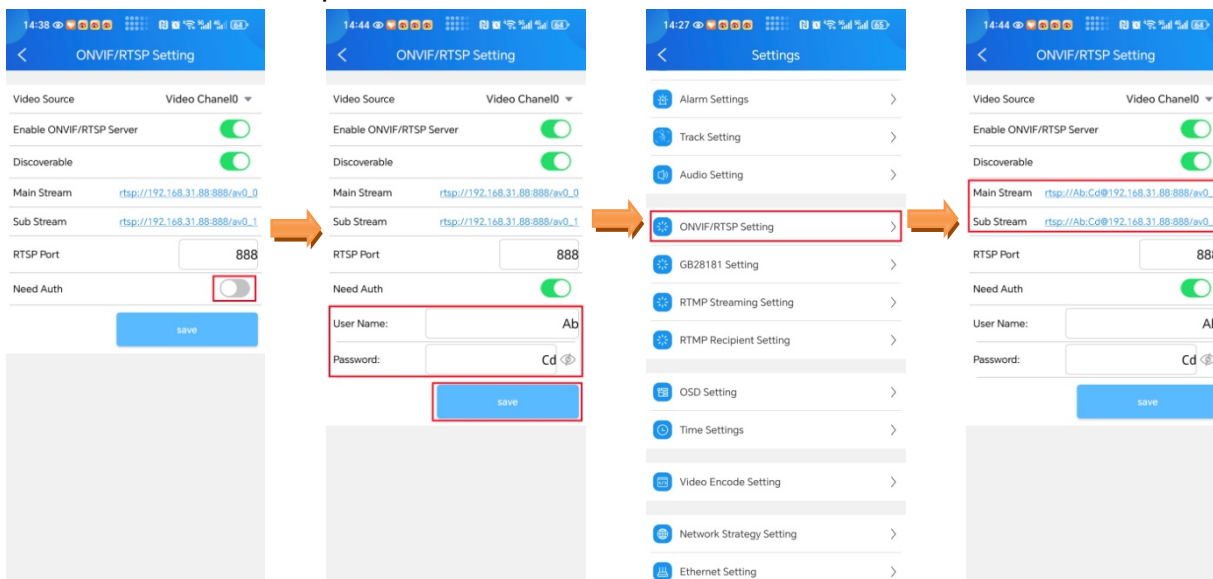
Users can modify the port number, add username and password as needed. Attention: After modification, the addresses of the main stream and sub stream will be changed. Please get it again.

1、Modify port number:



Main Stream	rtsp://192.168.31.88:888/av0_0
Sub Stream	rtsp://192.168.31.88:888/av0_1

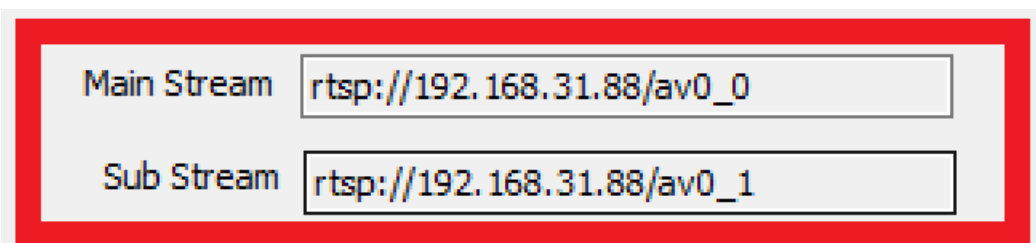
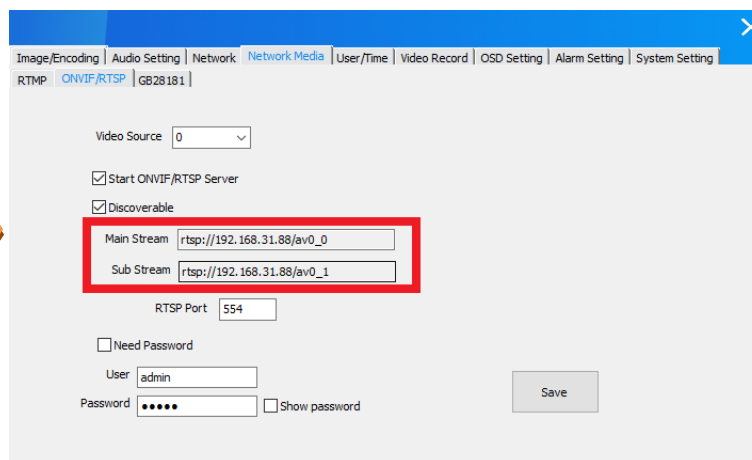
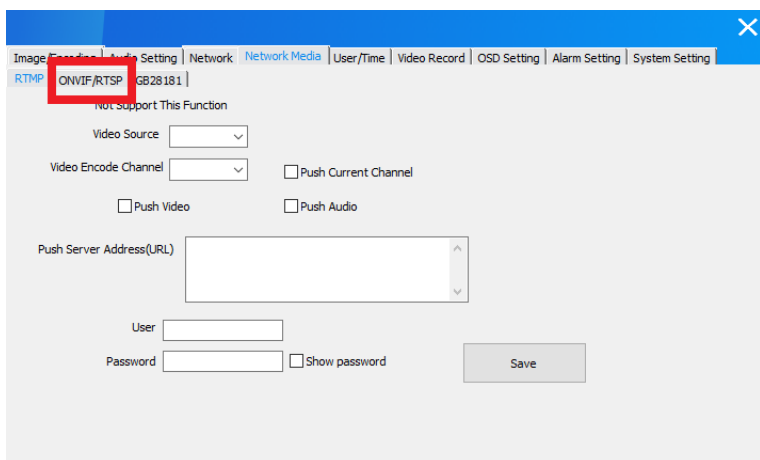
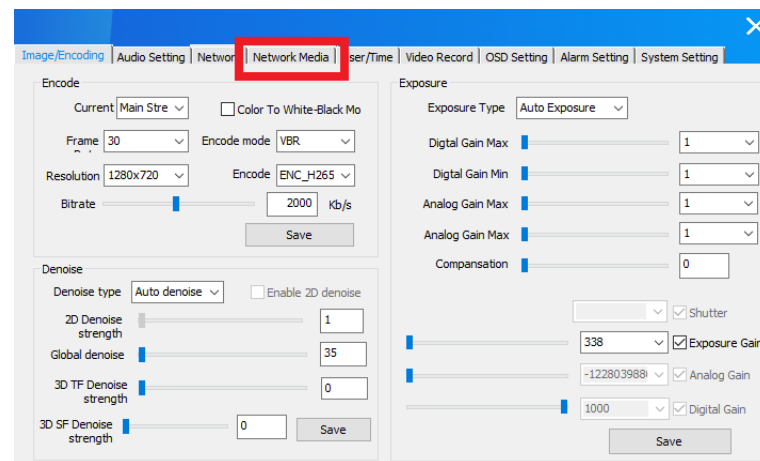
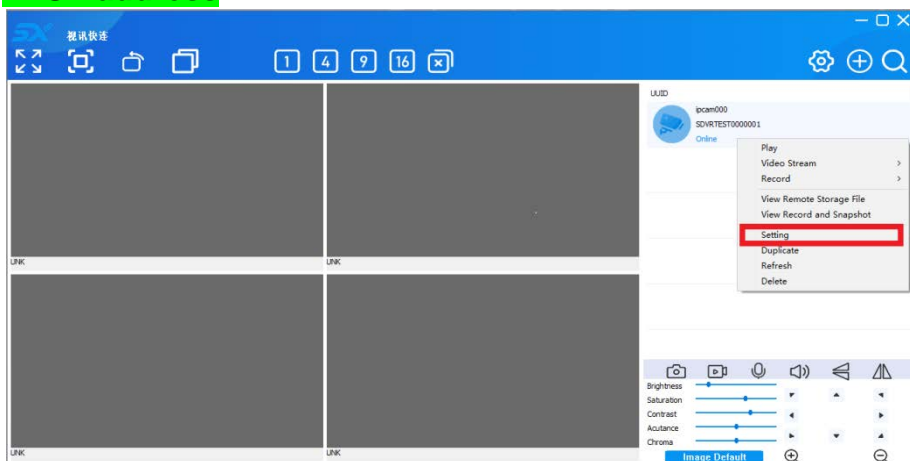
2、add username and password.



Main Stream	rtsp://Ab:Cd@192.168.31.88:888/av0_0
Sub Stream	rtsp://Ab:Cd@192.168.31.88:888/av0_1

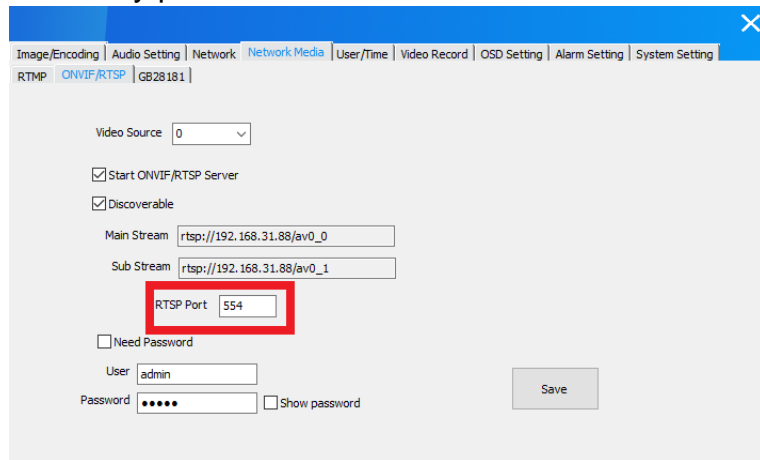
RTSP address obtain and setting (PC client)

Open SX-LINK, find the device you want to set up, and **right-click on the device icon** > **Setting** > **Network Media** > **ONVIF/RTSP** > **Obtain RTSP address**.

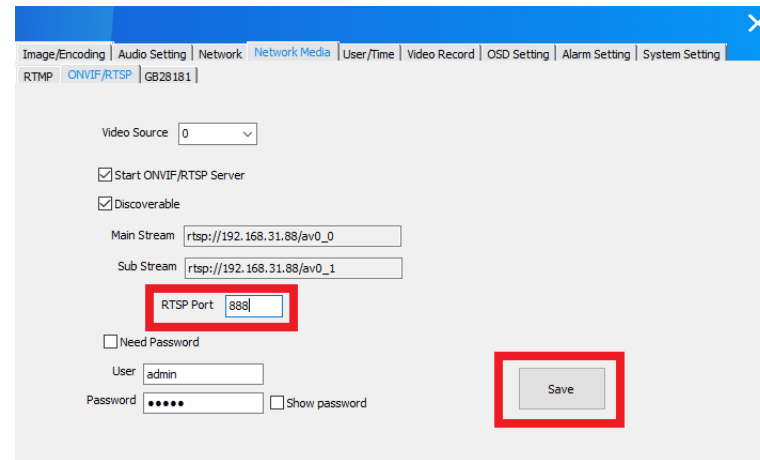


Users can modify the port number, add username and password as needed. Attention: After modification, the addresses of the main stream and sub stream will be changed. Please get it again.

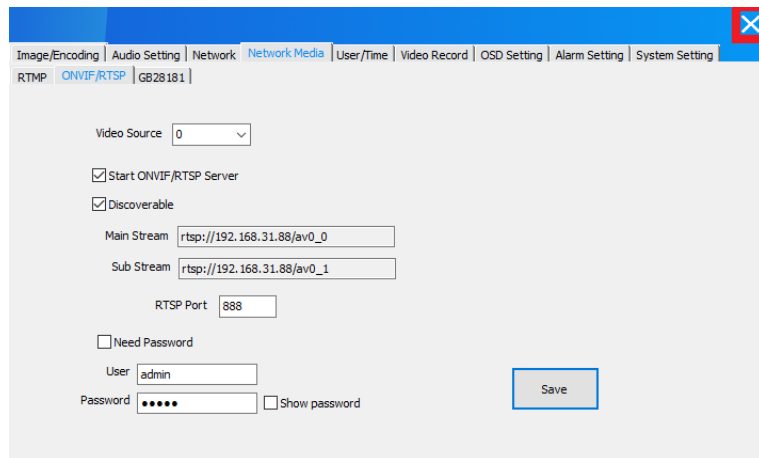
1、Modify port number:



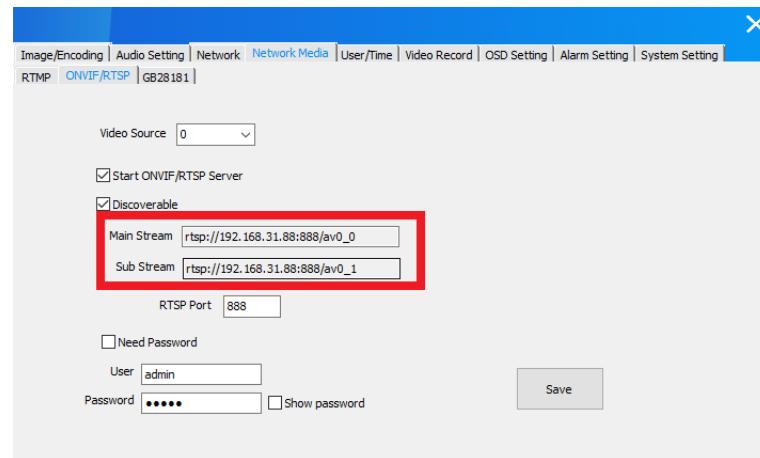
The screenshot shows the 'ONVIF/RTSP' configuration page. The 'RTSP Port' field is highlighted with a red box and contains the value '554'. Other fields include 'Main Stream' (rtsp://192.168.31.88/av0_0) and 'Sub Stream' (rtsp://192.168.31.88/av0_1). The 'Save' button is visible at the bottom right.



The screenshot shows the 'ONVIF/RTSP' configuration page after the port number has been changed to '888'. The 'RTSP Port' field and the 'Save' button are both highlighted with red boxes. The stream URLs remain the same as in the previous screenshot.



The screenshot shows the 'ONVIF/RTSP' configuration page with the 'RTSP Port' field set to '888'. The 'Main Stream' and 'Sub Stream' fields now contain the updated URLs: 'rtsp://192.168.31.88:888/av0_0' and 'rtsp://192.168.31.88:888/av0_1' respectively. The 'Save' button is highlighted in blue.

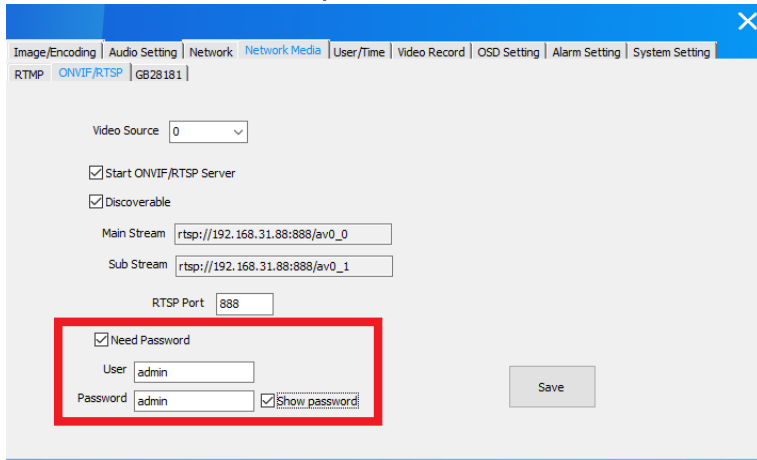


The screenshot shows the 'ONVIF/RTSP' configuration page with the 'Save' button highlighted in blue. The stream URLs and port number are consistent with the previous screenshot.

Main Stream

Sub Stream

2. add username and password:



Image/Encoding | Audio Setting | Network | Network Media | User/Time | Video Record | OSD Setting | Alarm Setting | System Setting

RTMP | ONVIF/RTSP | GB28181

Video Source: 0

Start ONVIF/RTSP Server

Discoverable

Main Stream: rtsp://192.168.31.88:888/av0_0

Sub Stream: rtsp://192.168.31.88:888/av0_1

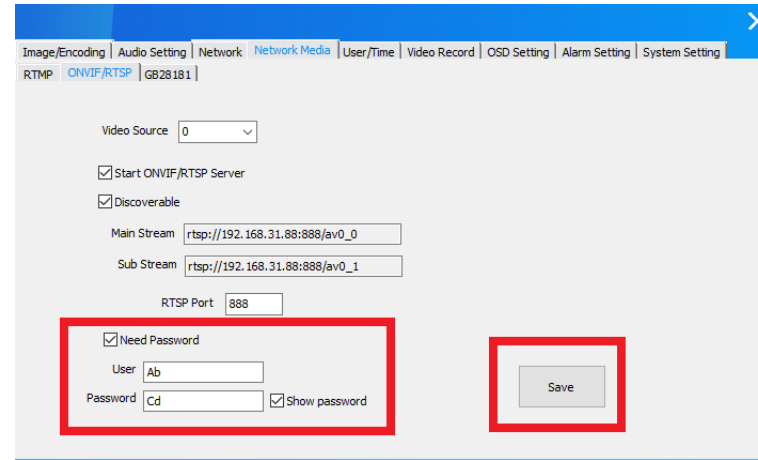
RTSP Port: 888

Need Password

User: admin

Password: admin Show password

Save



Image/Encoding | Audio Setting | Network | Network Media | User/Time | Video Record | OSD Setting | Alarm Setting | System Setting

RTMP | ONVIF/RTSP | GB28181

Video Source: 0

Start ONVIF/RTSP Server

Discoverable

Main Stream: rtsp://192.168.31.88:888/av0_0

Sub Stream: rtsp://192.168.31.88:888/av0_1

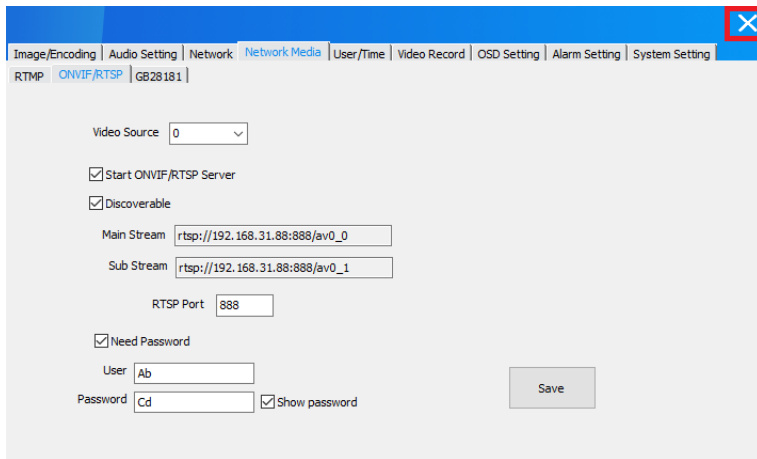
RTSP Port: 888

Need Password

User: Ab

Password: Cd Show password

Save



Image/Encoding | Audio Setting | Network | Network Media | User/Time | Video Record | OSD Setting | Alarm Setting | System Setting

RTMP | ONVIF/RTSP | GB28181

Video Source: 0

Start ONVIF/RTSP Server

Discoverable

Main Stream: rtsp://192.168.31.88:888/av0_0

Sub Stream: rtsp://192.168.31.88:888/av0_1

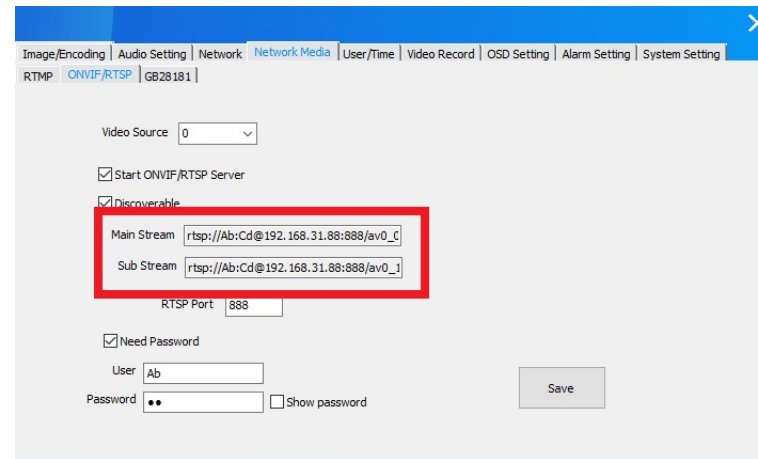
RTSP Port: 888

Need Password

User: Ab

Password: Cd Show password

Save



Image/Encoding | Audio Setting | Network | Network Media | User/Time | Video Record | OSD Setting | Alarm Setting | System Setting

RTMP | ONVIF/RTSP | GB28181

Video Source: 0

Start ONVIF/RTSP Server

Discoverable

Main Stream: rtsp://Ab:Cd@192.168.31.88:888/av0_0

Sub Stream: rtsp://Ab:Cd@192.168.31.88:888/av0_1

RTSP Port: 888

Need Password

User: Ab

Password: ●● Show password

Save

After adding username and password, for example, we set User: Ab, Password: Cd. The RTSP address will change and getting longer. Please drag the mouse to obtain the complete address.

This example

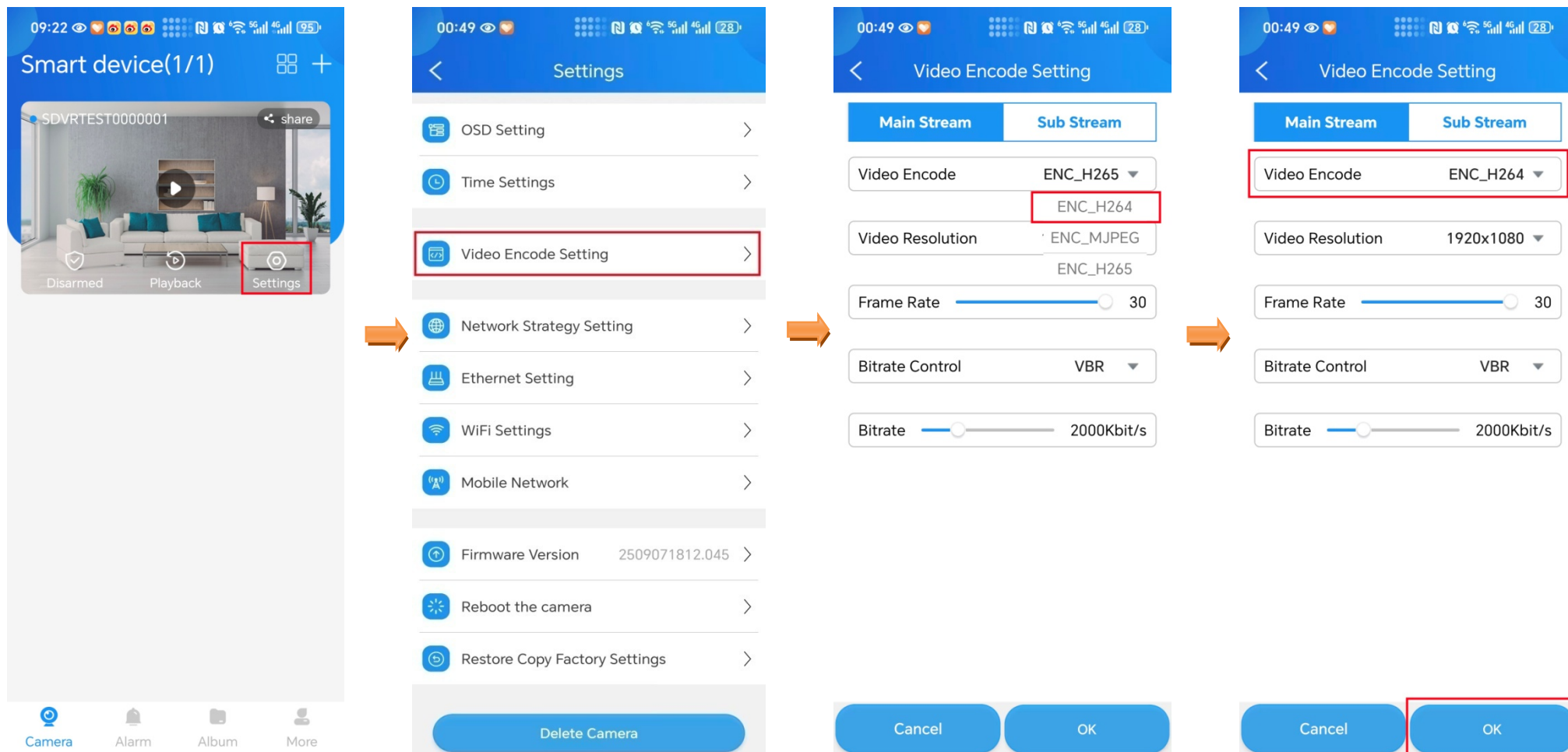
Main stream: rtsp://Ab:Cd@192.168.31.88:888/av0_0

Sub stream: rtsp://Ab:Cd@192.168.31.88:888/av0_1

H.264/H.265 switch (APP)

The factory setting of device is H.265, If H.264 required, it can be modified through the APP/software.

Open APP, find the device you want to set up, **Settings** > **Video Encode Setting** > **ENC_H265** > **ENC_H264** > **OK**.



H.264/H.265 switch (PC client)

The factory setting of device is H.265, If H.264 required, it can be modified through the APP/software.

Open SX-LINK, find the device you want to set up, and **right-click on the device icon** > **Setting** > **Image/Encoding** > **ENC_H265** > **ENC_H264** > **Save**.

