

User Guide

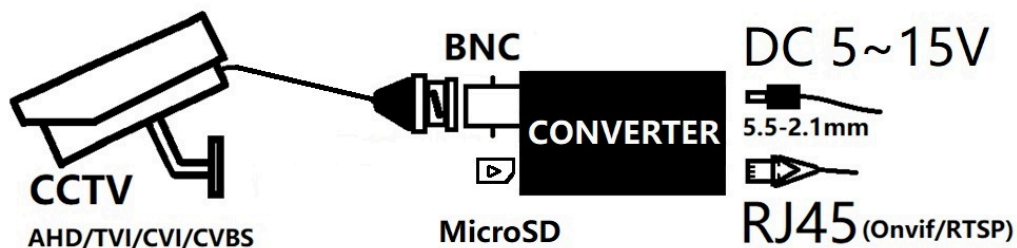
Quick start for 4 IN 1 CONVERTER G2

V 1.0.3

All accessories

4 IN 1 CONVERTER G2 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, features a microSD card slot for storage. It could connect to most NVR and other devices like IP Camera.

Input voltage: DC 5~15V. Dimensions: 58x42x23mm, With BNC: 70x42x23mm.



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
Storage	512GB(max)

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、 Reset button.
- 4、 Camera video in.
- 5、 MicroSD card slot.
- 6、 Record, Video, Power indicator.

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

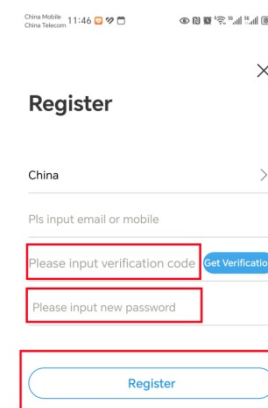
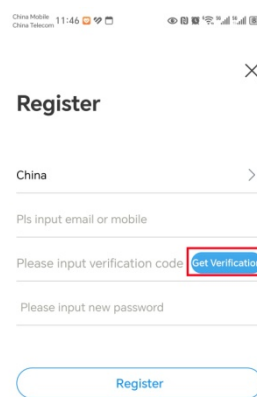
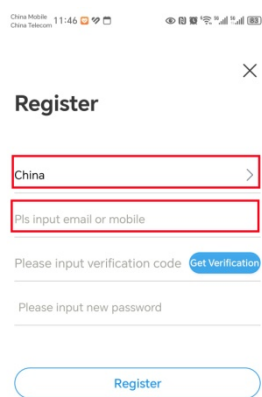
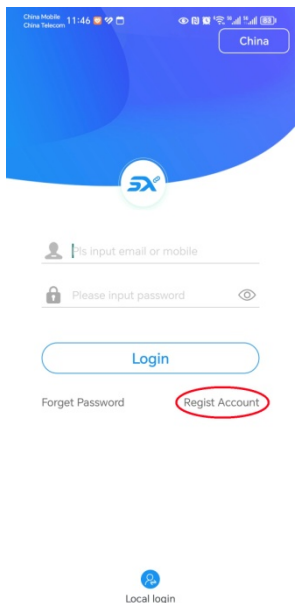
■ If you DO NOT have a registered account

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.)

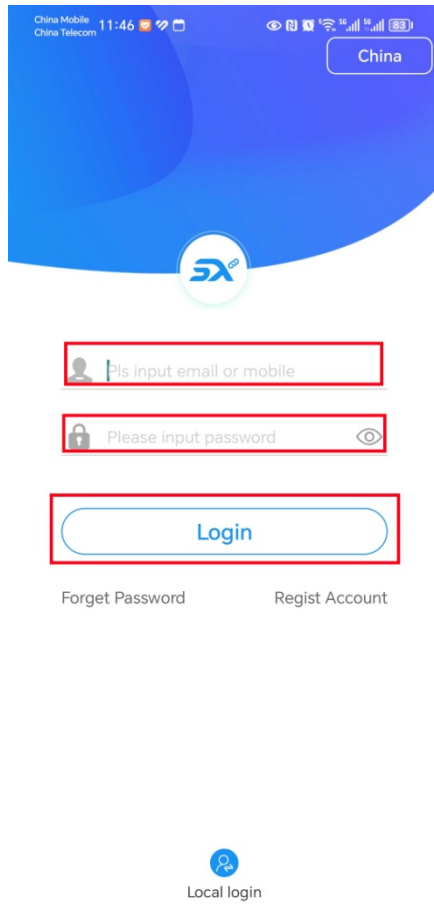
Step 4 Enter the **Verification Code**. Set the login password, and tap **REGISTER**.

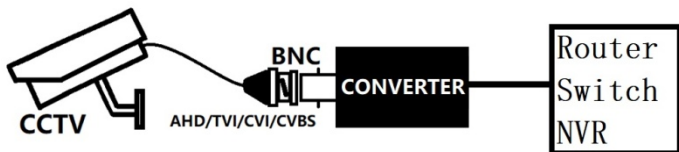


■ If you already have a registered account

Step 1 Open the App.

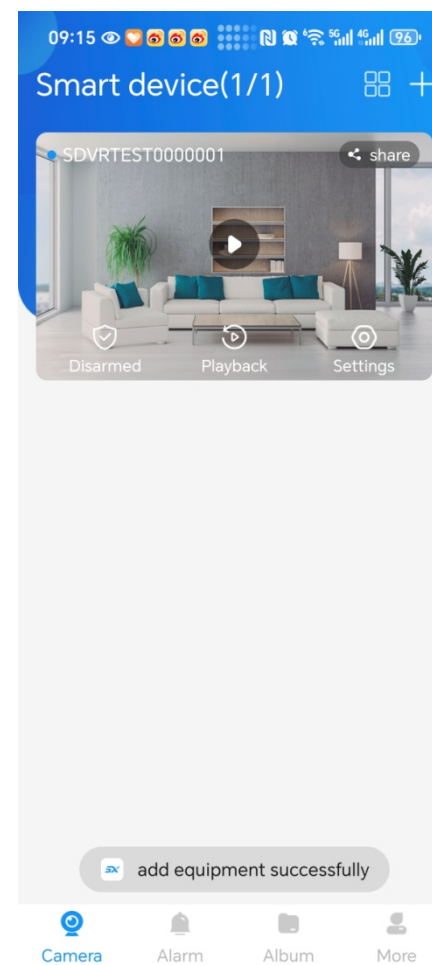
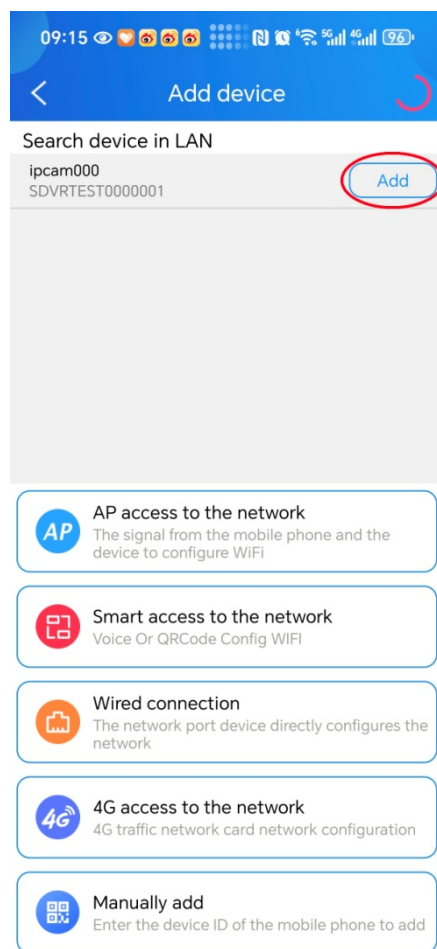
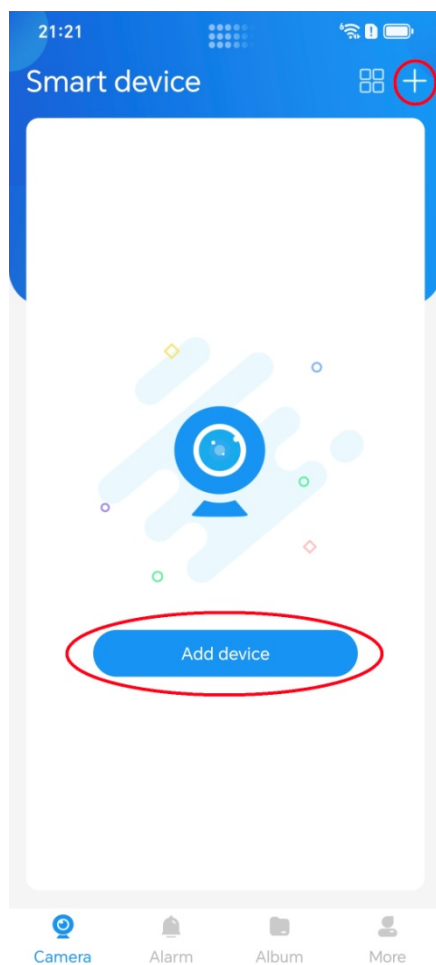
Step 2 Enter the registered Email address and password, and tap **Login**.

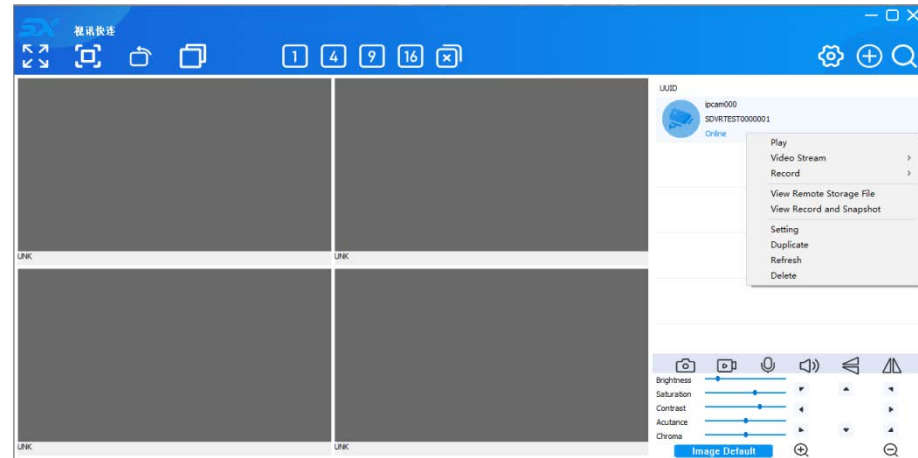
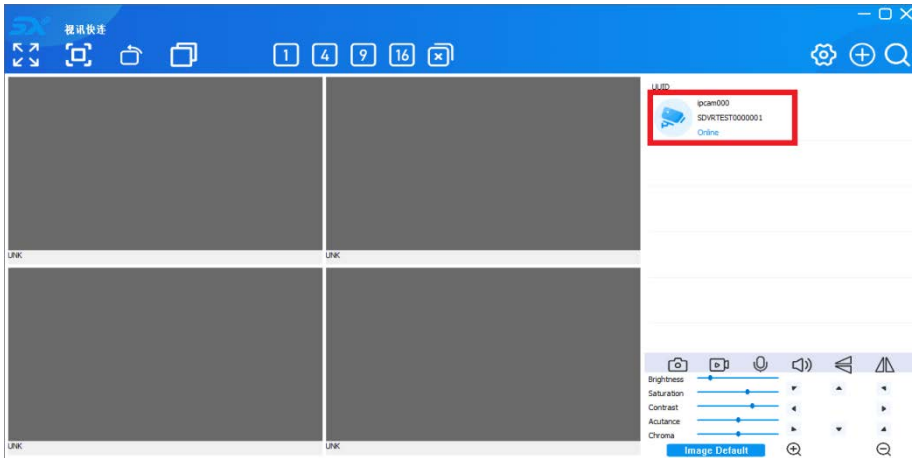




Add device to APP

- 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.

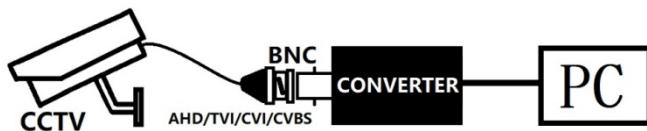




Q & A:

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.**

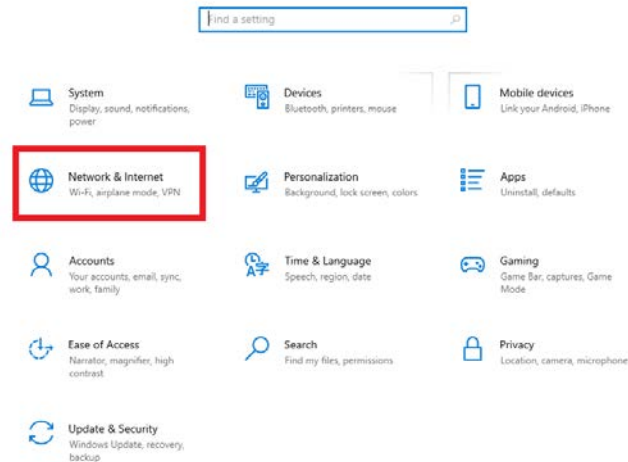
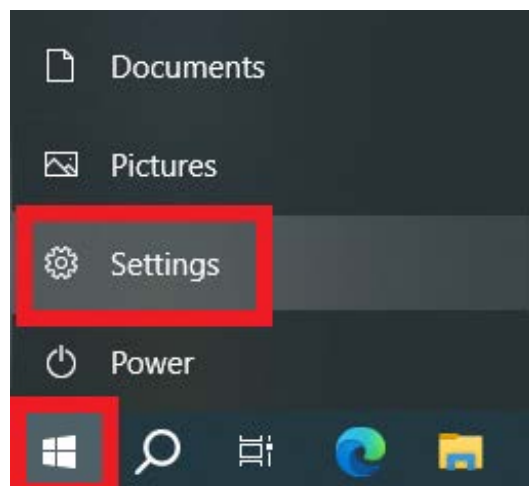


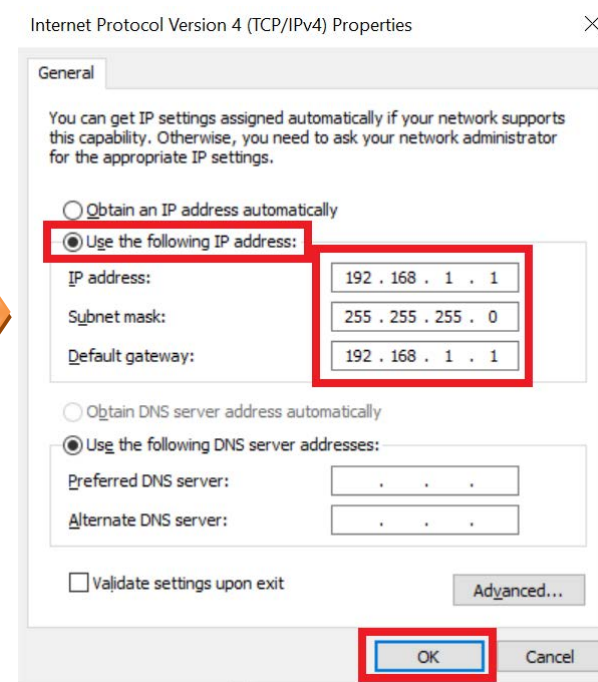
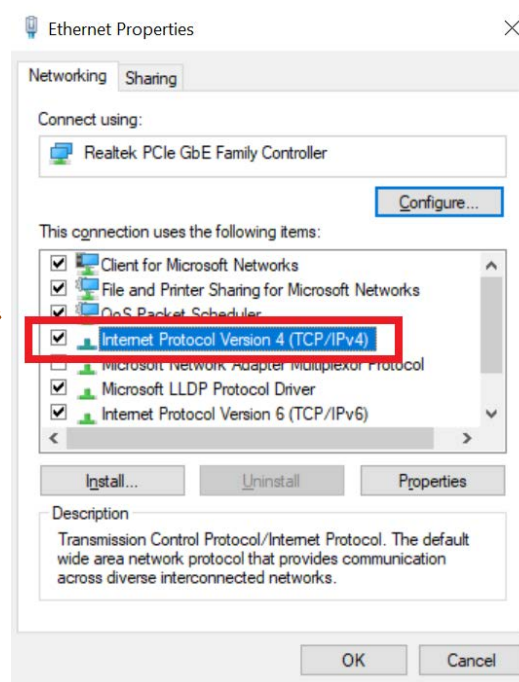
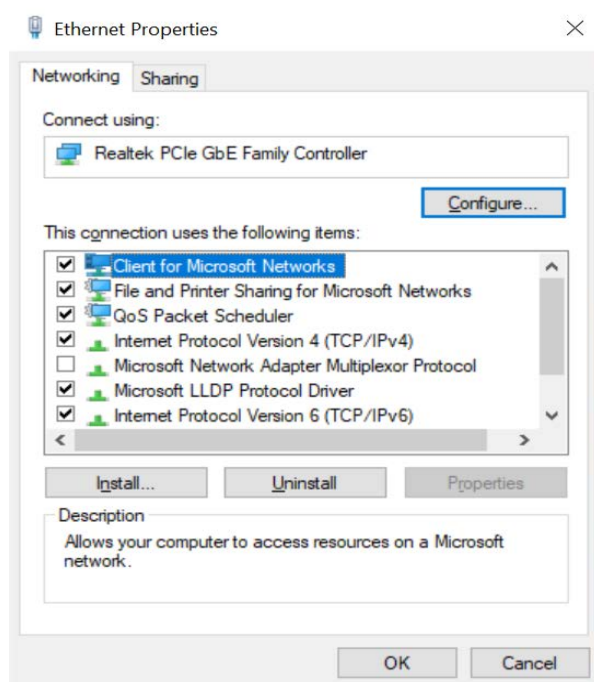
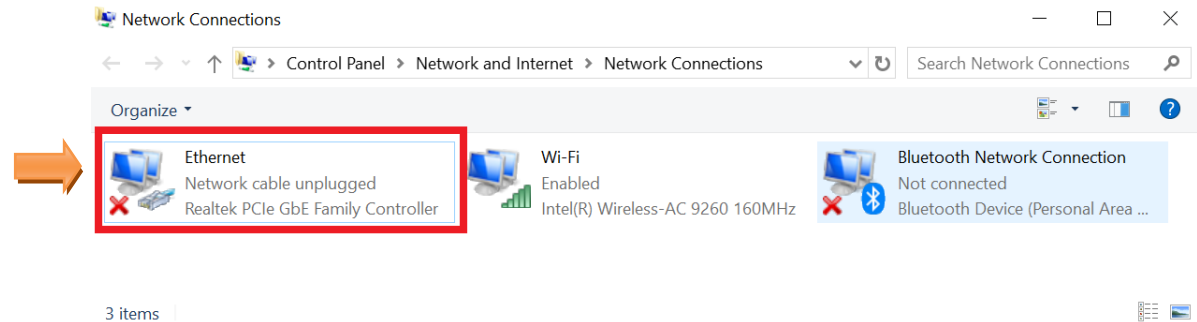
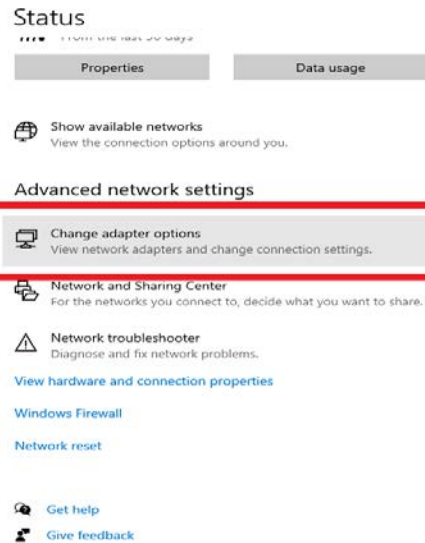
Device to PC by network cable

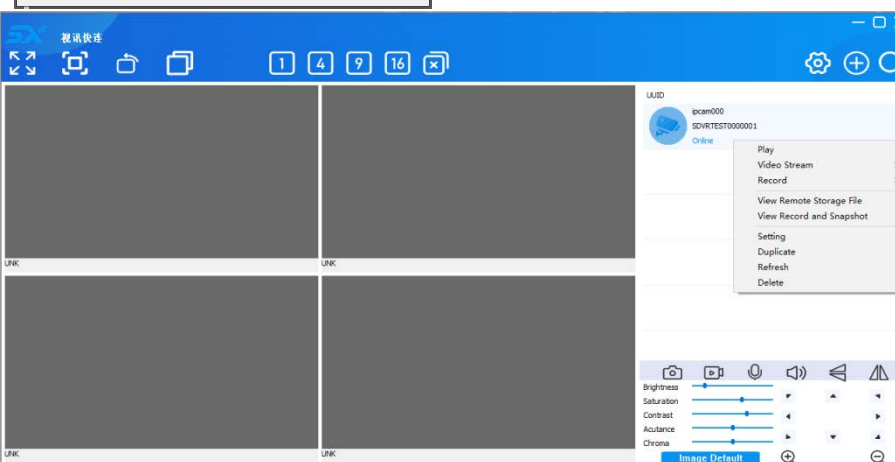
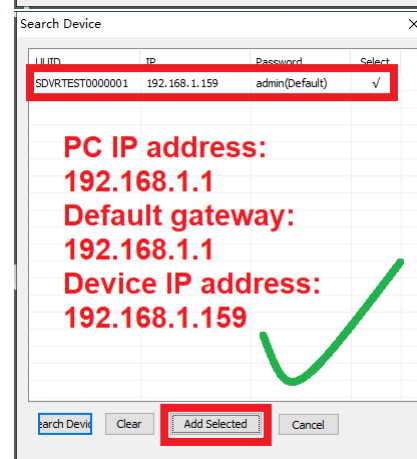
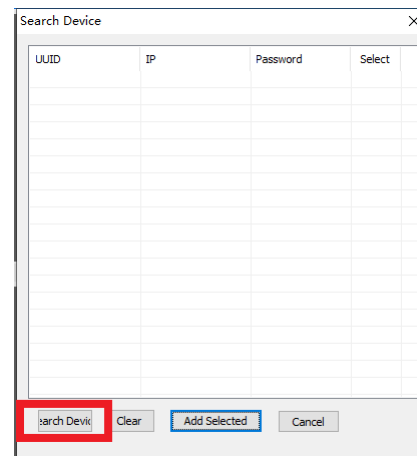
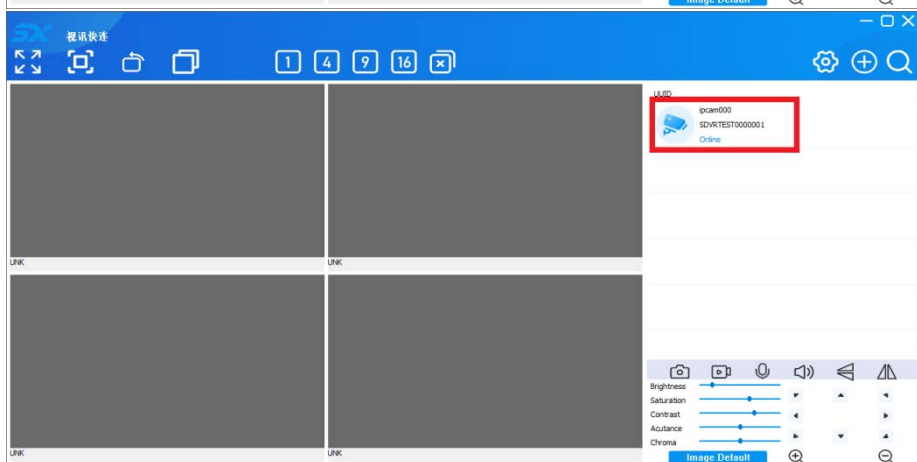
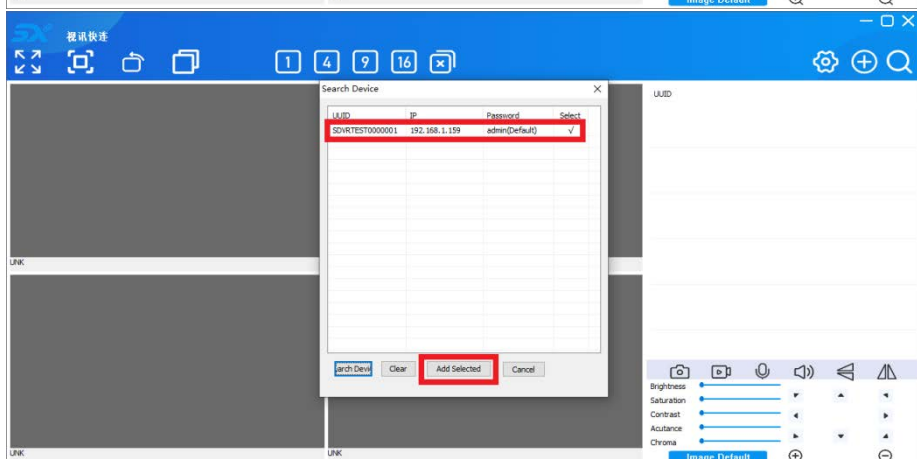
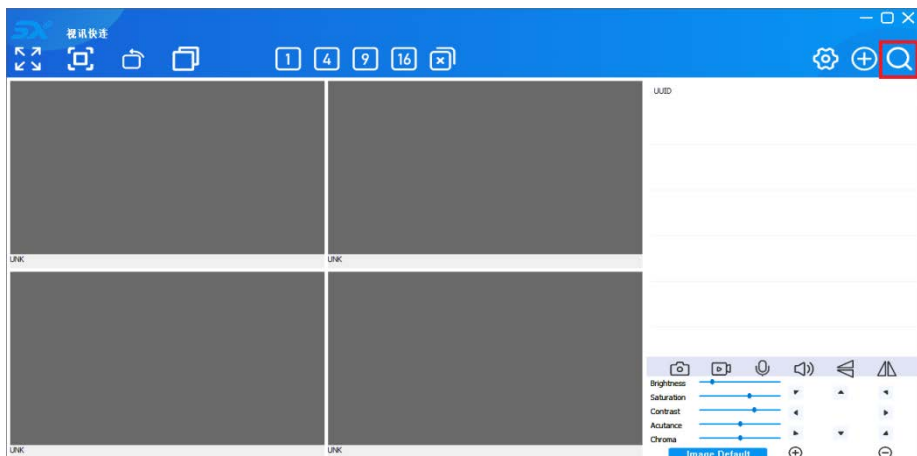
- Setp1** Disconnect all network connections of the computer, such as Wi-Fi and network cables.
- Setp2** Confirm that device automatically obtain an IP address. If a fixed IP address has been set, the device can be reset to factory settings to automatically obtain an IP address.
- Setp3** Change the 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

Windows Settings

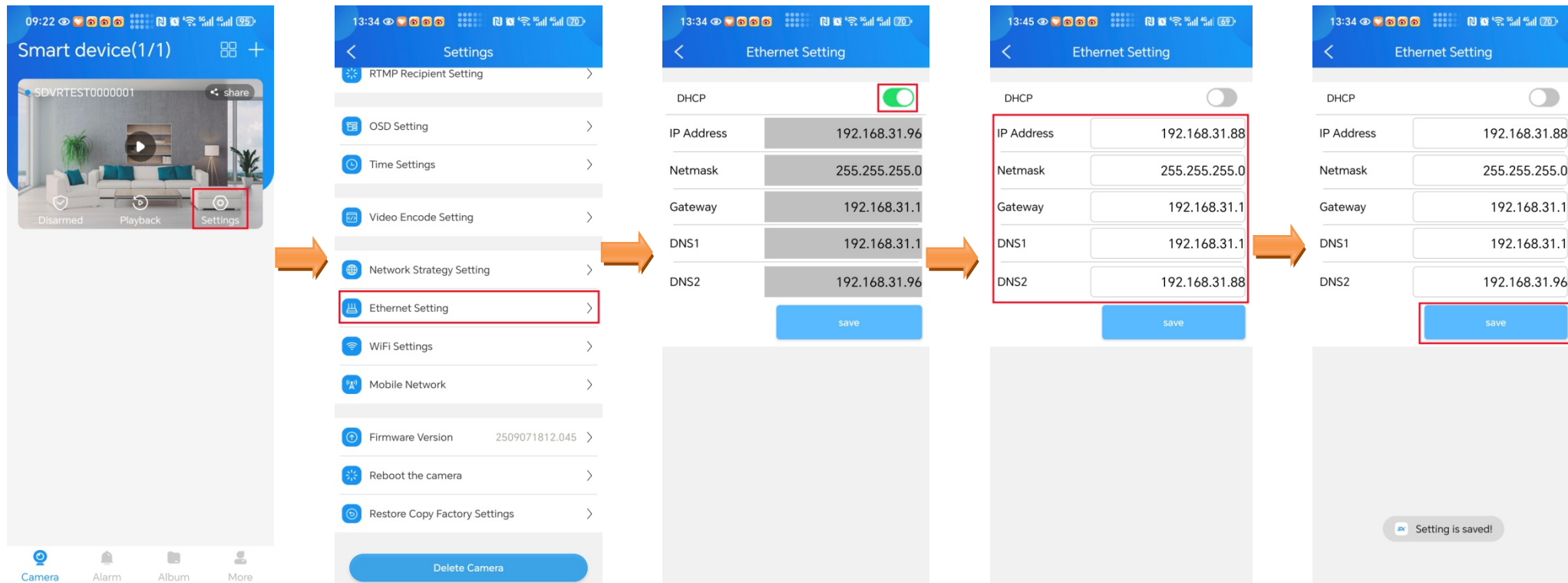






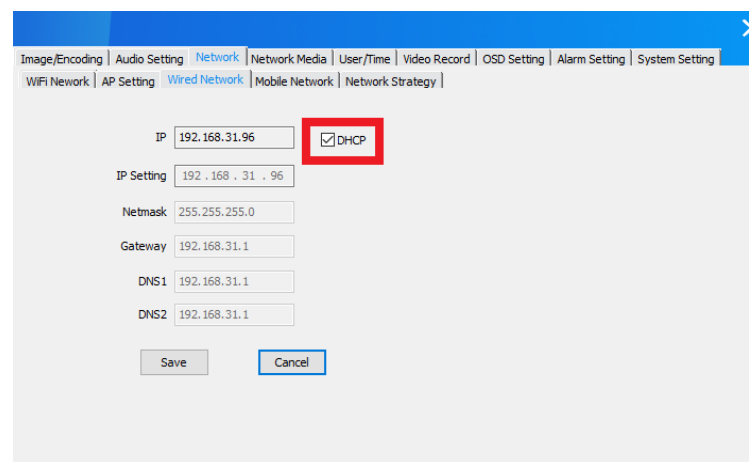
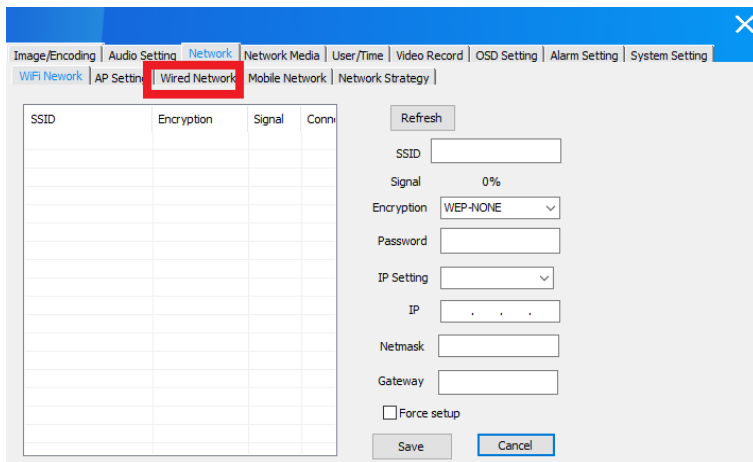
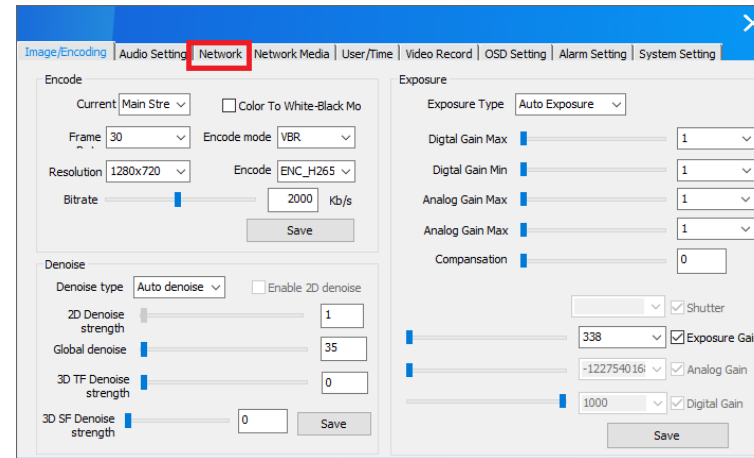
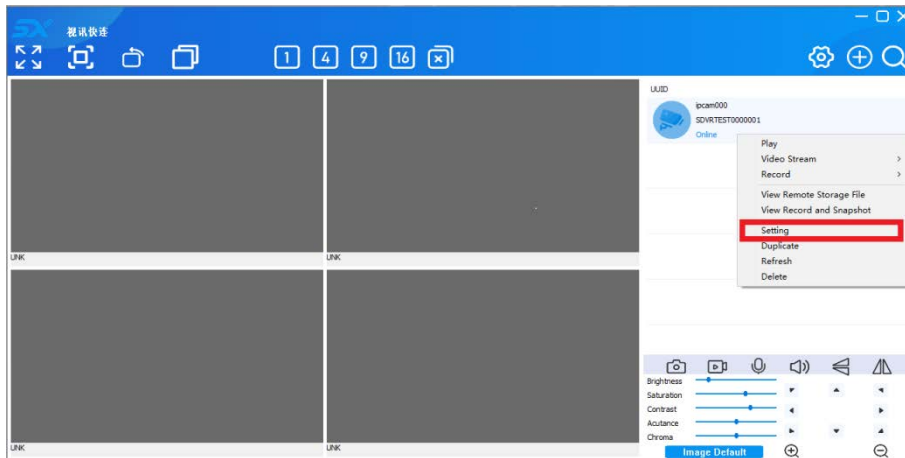
IP Setting (APP)

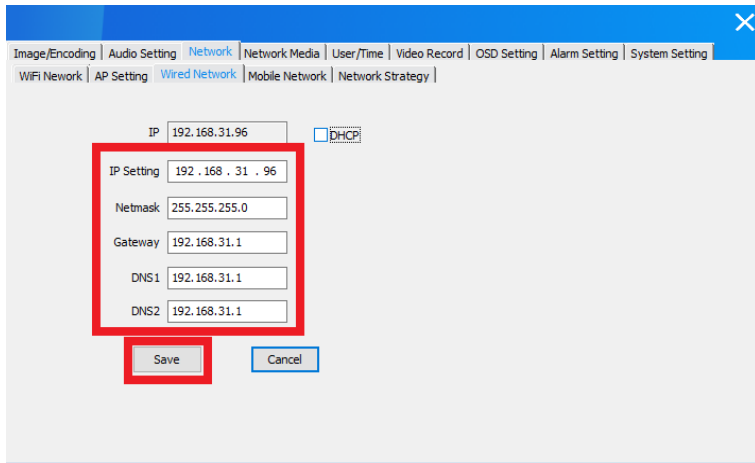
The factory setting of device is obtain an IP address automatically. If a fixed IP address is required, it can be modified through the APP/software. Open APP, find the device you want to set up, **Settings** > **Ethernet Setting** > **Click the switch**, it will change from **green to grey** > **Fill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





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

WiFi Network | AP Setting | **Wired Network** | Mobile Network | Network Strategy

IP: 192.168.31.96 ☐ DHCP

IP Setting: 192.168.31.96

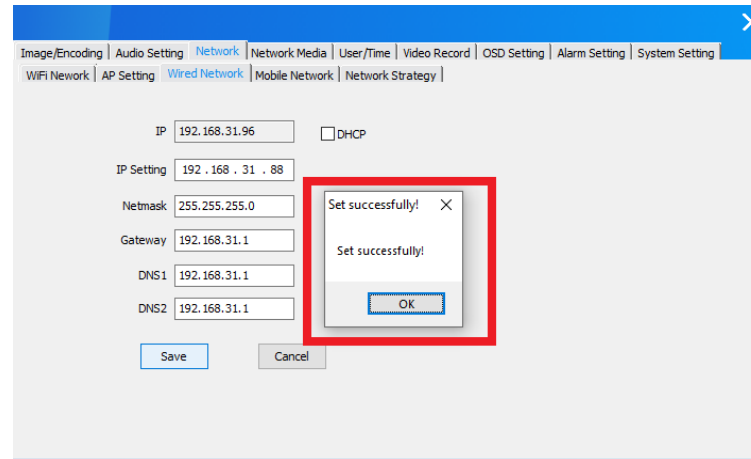
Netmask: 255.255.255.0

Gateway: 192.168.31.1

DNS1: 192.168.31.1

DNS2: 192.168.31.1

Save Cancel



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

WiFi Network | AP Setting | **Wired Network** | Mobile Network | Network Strategy

IP: 192.168.31.96 ☐ DHCP

IP Setting: 192.168.31.88

Netmask: 255.255.255.0

Gateway: 192.168.31.1

DNS1: 192.168.31.1

DNS2: 192.168.31.1

Set successfully! OK

Save Cancel

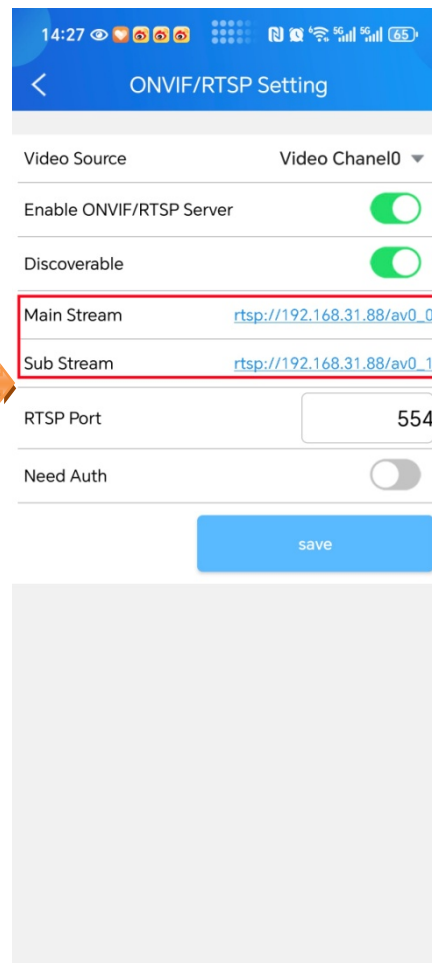
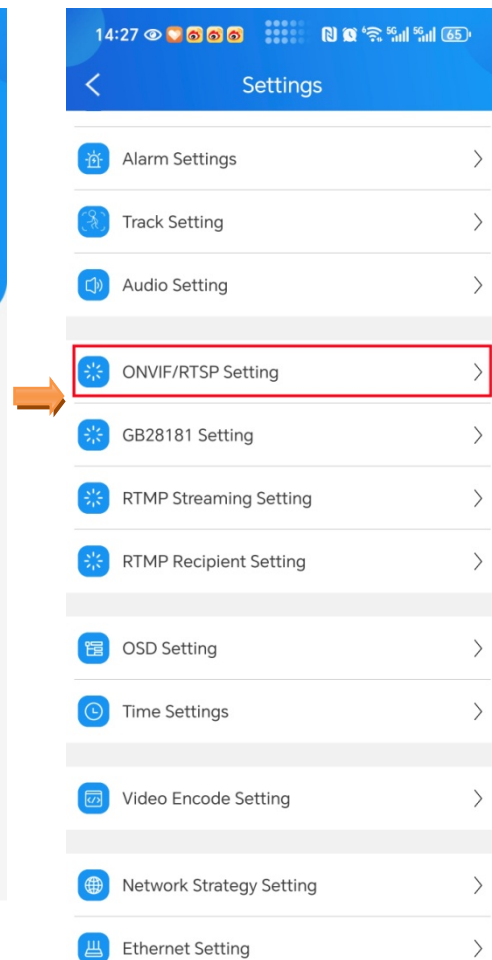
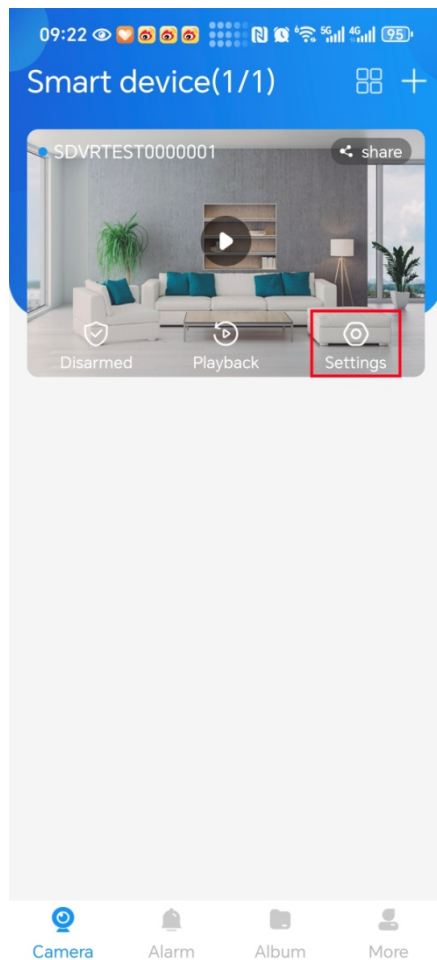
Q & A:

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)

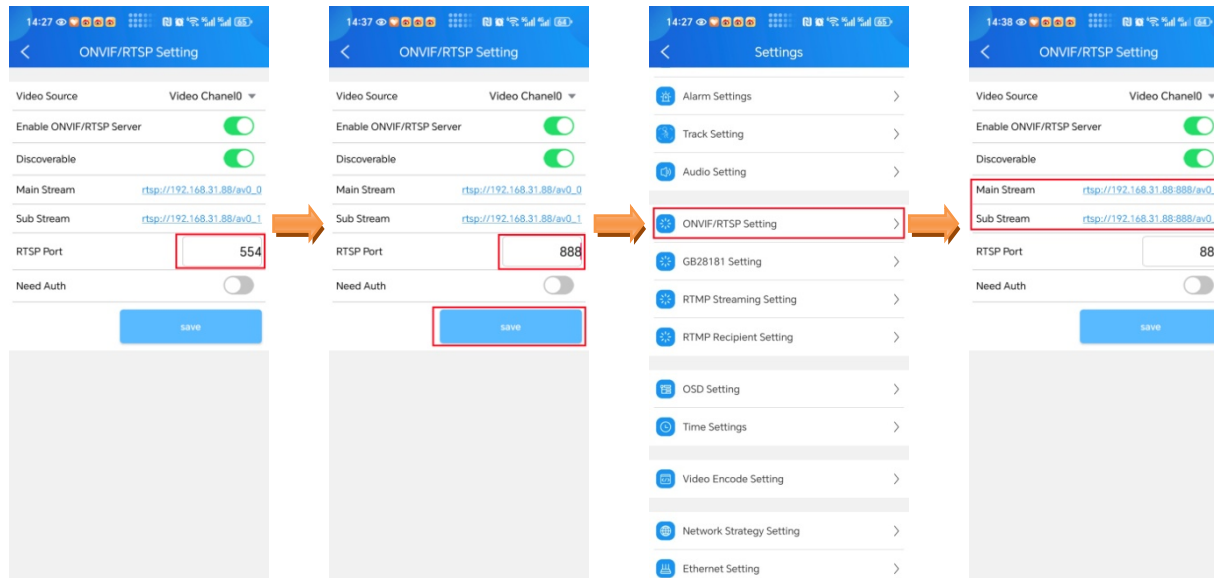
Open APP, find the device you want to set up, **Settings** > **ONVIF/RTSP Setting** > **Obtain RTSP address**.



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.

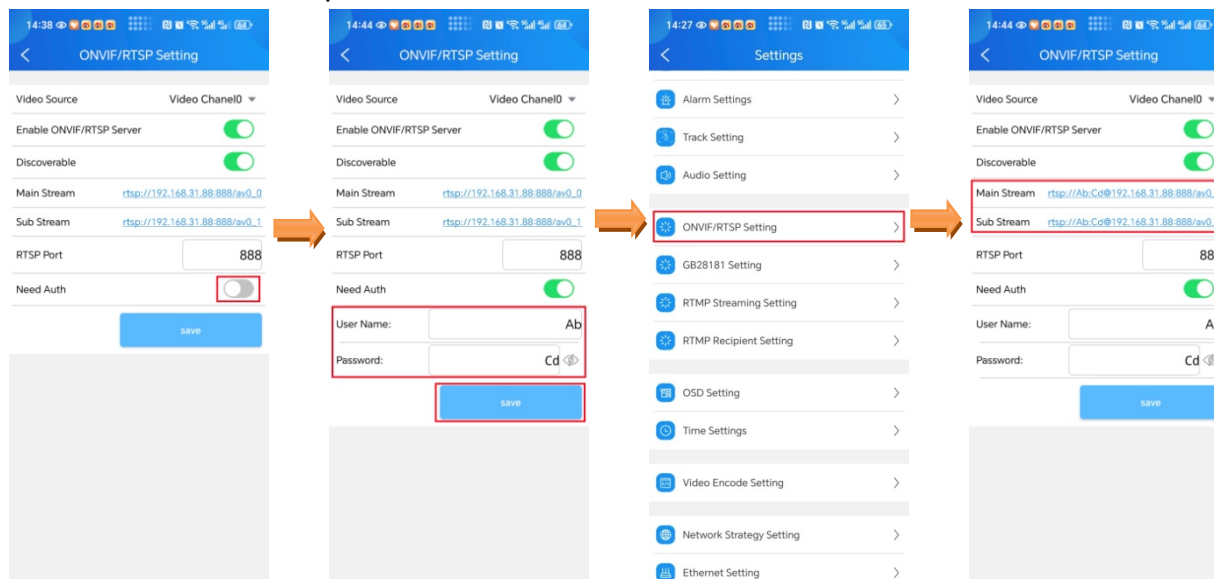
1、Modify port number:



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.

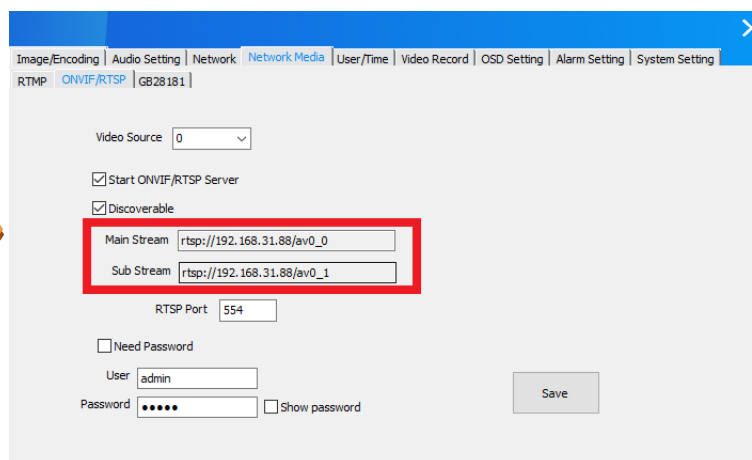
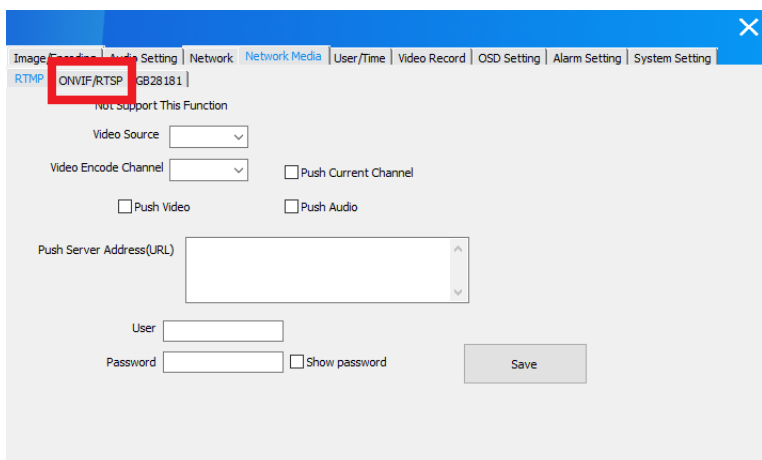
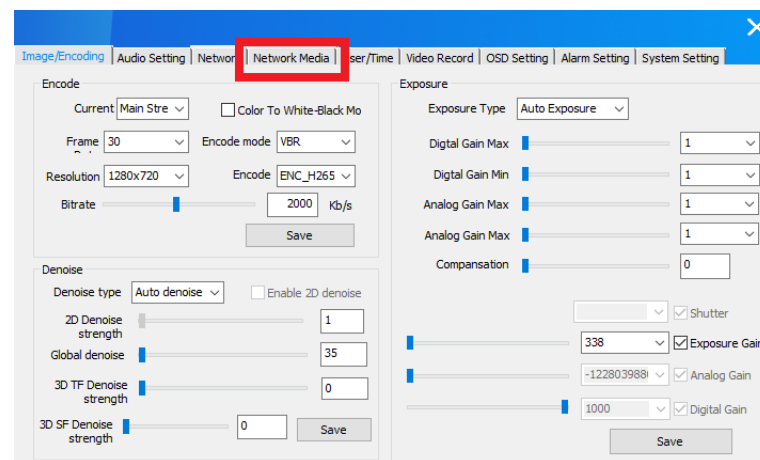
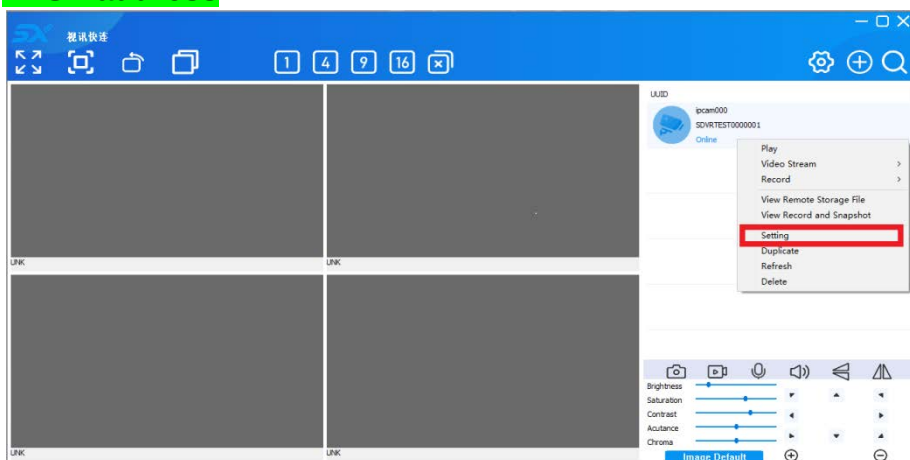


Main Stream rtsp://Ab:Cd@192.168.31.88:888/av0_0

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**.

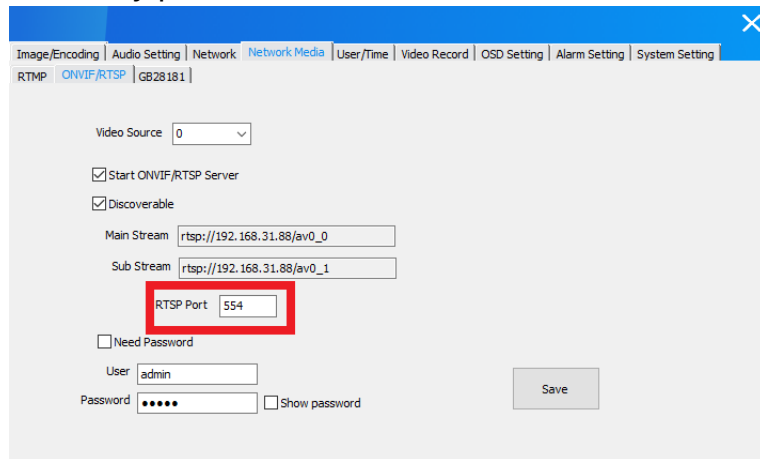


Main Stream `rtsp://192.168.31.88/av0_0`

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:



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/av0_0

Sub Stream: rtsp://192.168.31.88/av0_1

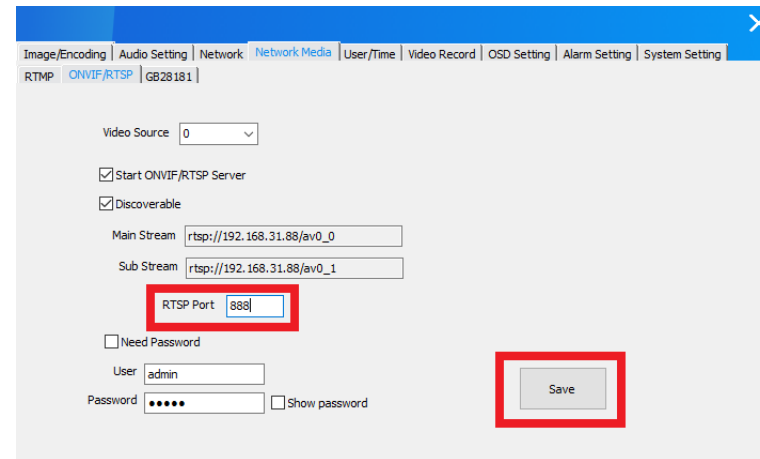
RTSP Port: 554

☐ Need Password

User: admin

Password: ••••• ☐ 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/av0_0

Sub Stream: rtsp://192.168.31.88/av0_1

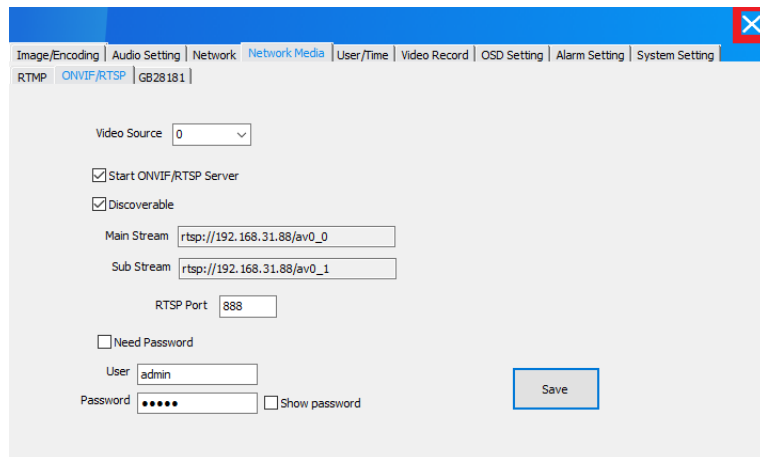
RTSP Port: 888

☐ Need Password

User: admin

Password: ••••• ☐ 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/av0_0

Sub Stream: rtsp://192.168.31.88/av0_1

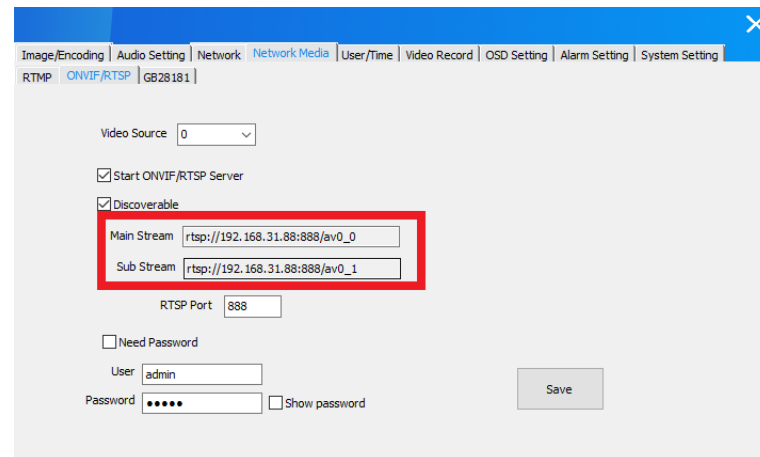
RTSP Port: 888

☐ Need Password

User: admin

Password: ••••• ☐ 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

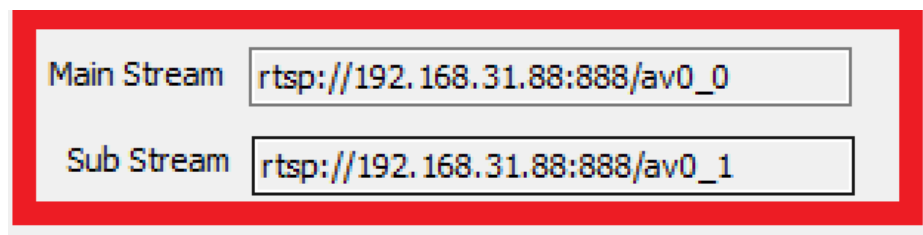
RTSP Port: 888

☐ Need Password

User: admin

Password: ••••• ☐ Show password

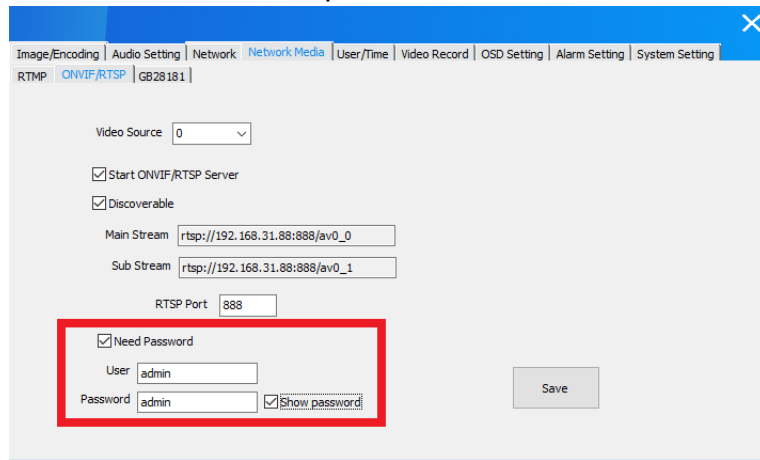
Save



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:



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

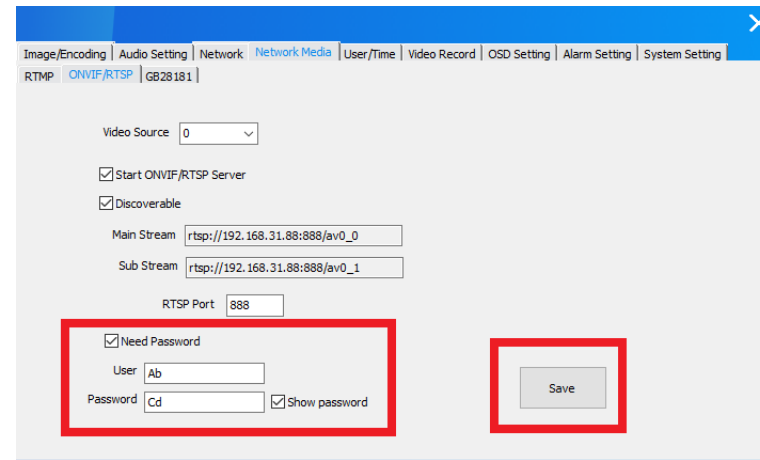
RTSP Port: 888

☒ 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

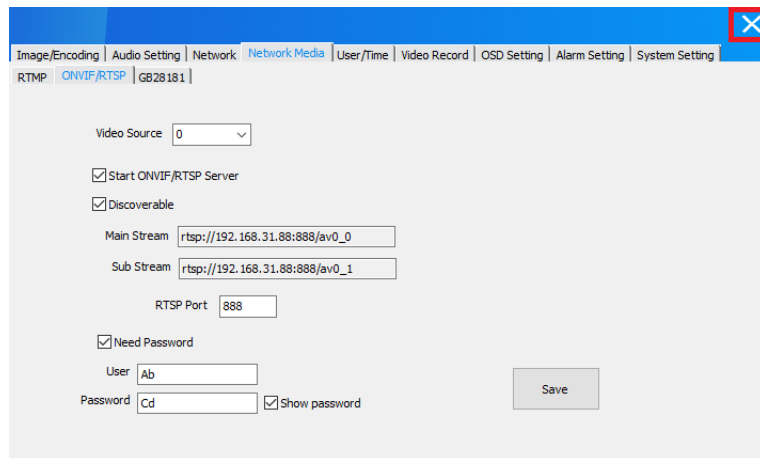
RTSP Port: 888

☒ 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

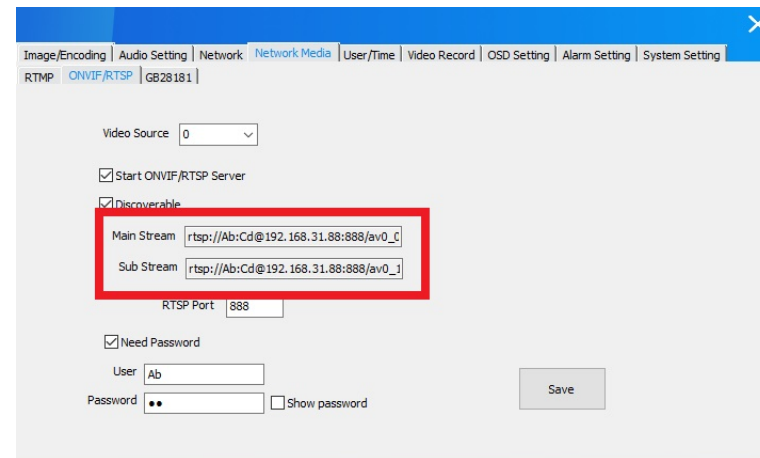
RTSP Port: 888

☒ 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

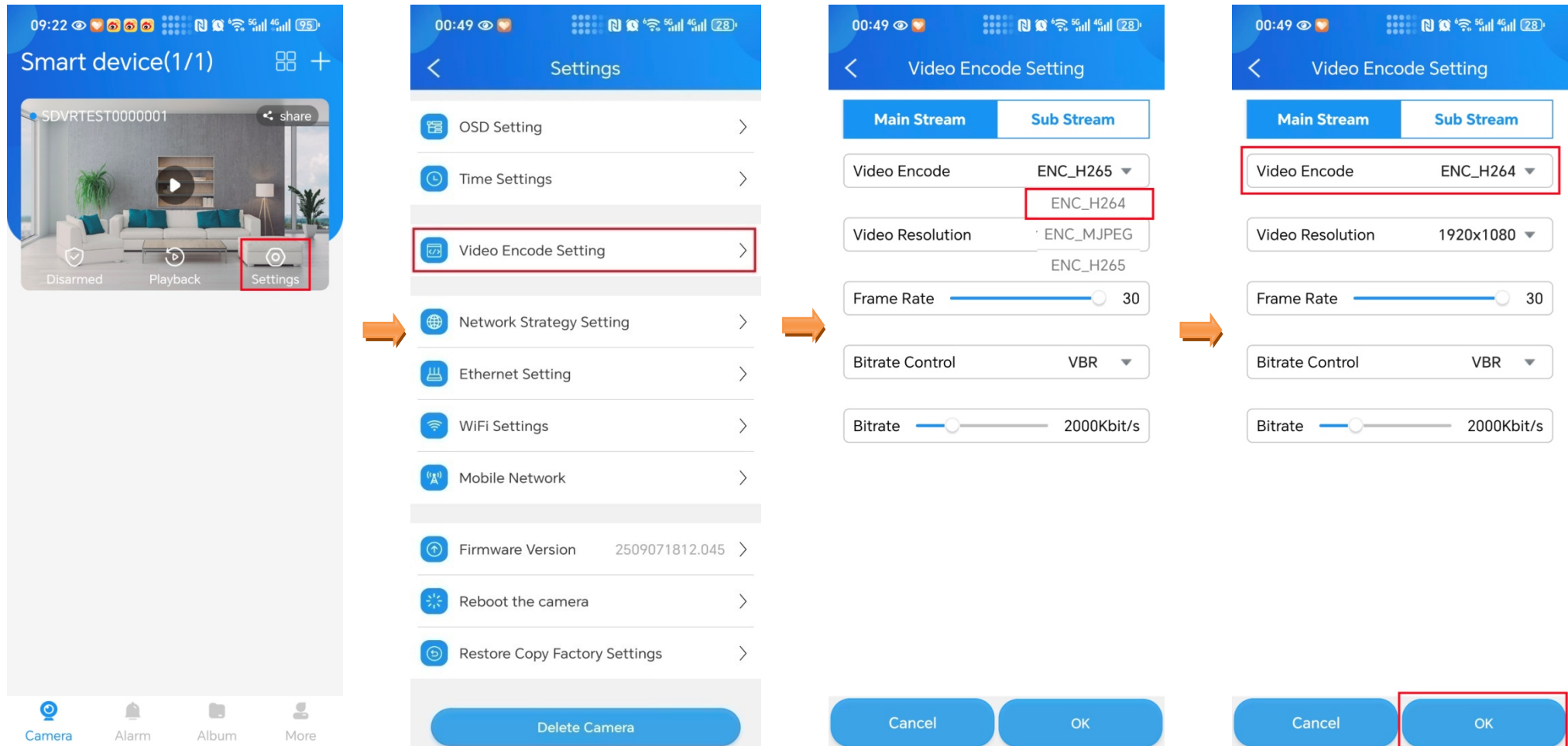
Main stream: rtsp://Ab:Cd@192.168.31.88:888/av0_0

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.

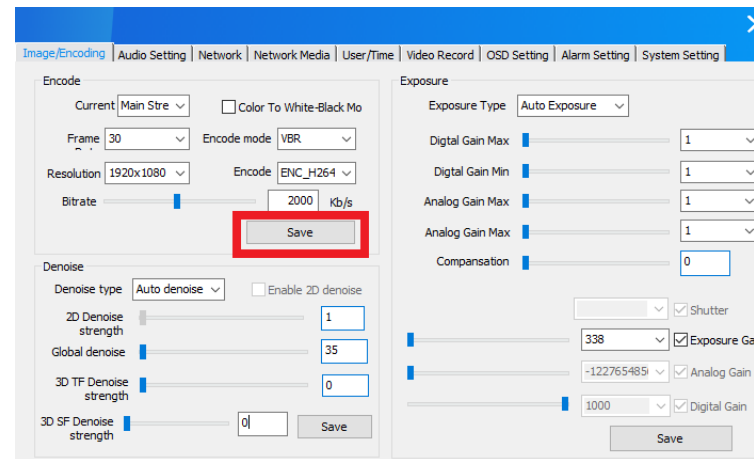
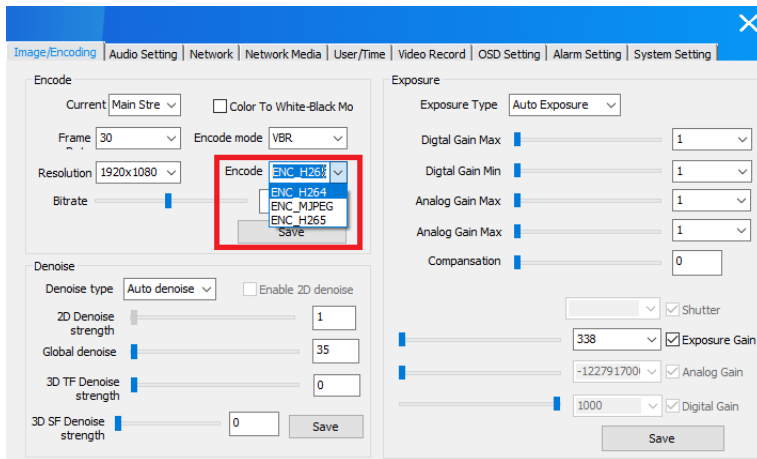
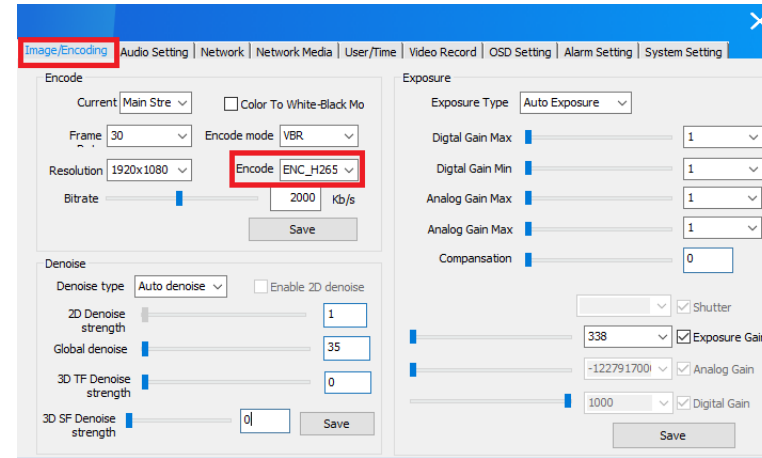
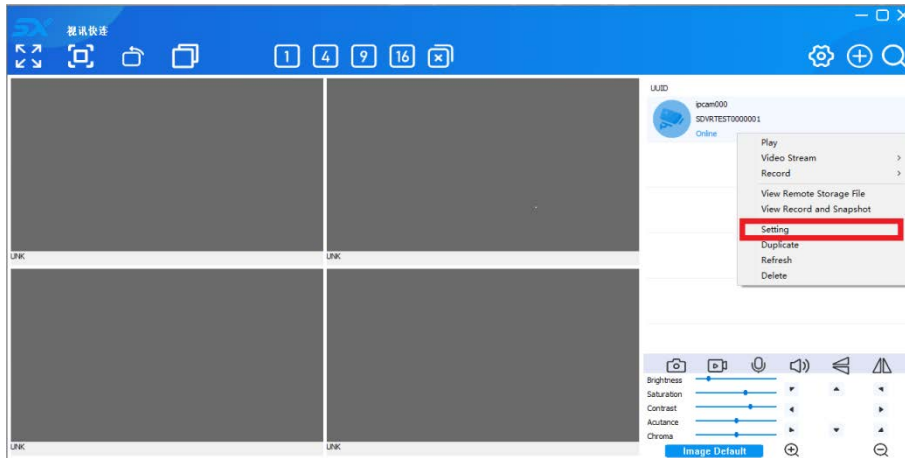
Open APP, find the device you want to set up, **Settings** > **Video Encode Setting** > **ENC_H265** > **ENC_H264** > **OK**.



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**.



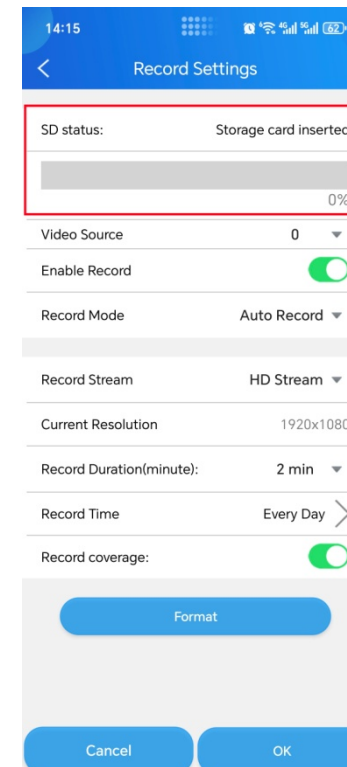
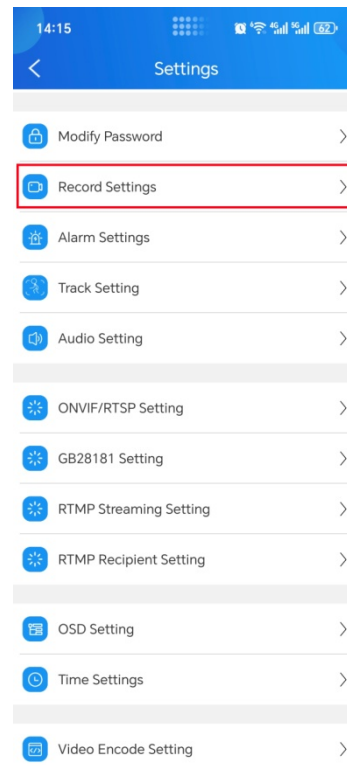
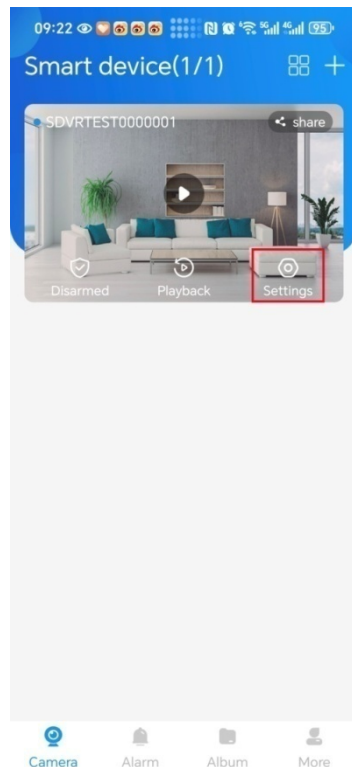
Micro SD card recording storage (APP)

Use Micro SD card for the first time

Converter supports recording storage in Micro SD card. After the camera successfully identifies the Micro SD card, it will automatically start recording according to the recording mode. **Micro SD card should be Speed Class10 A1/U1/V10 or above.**

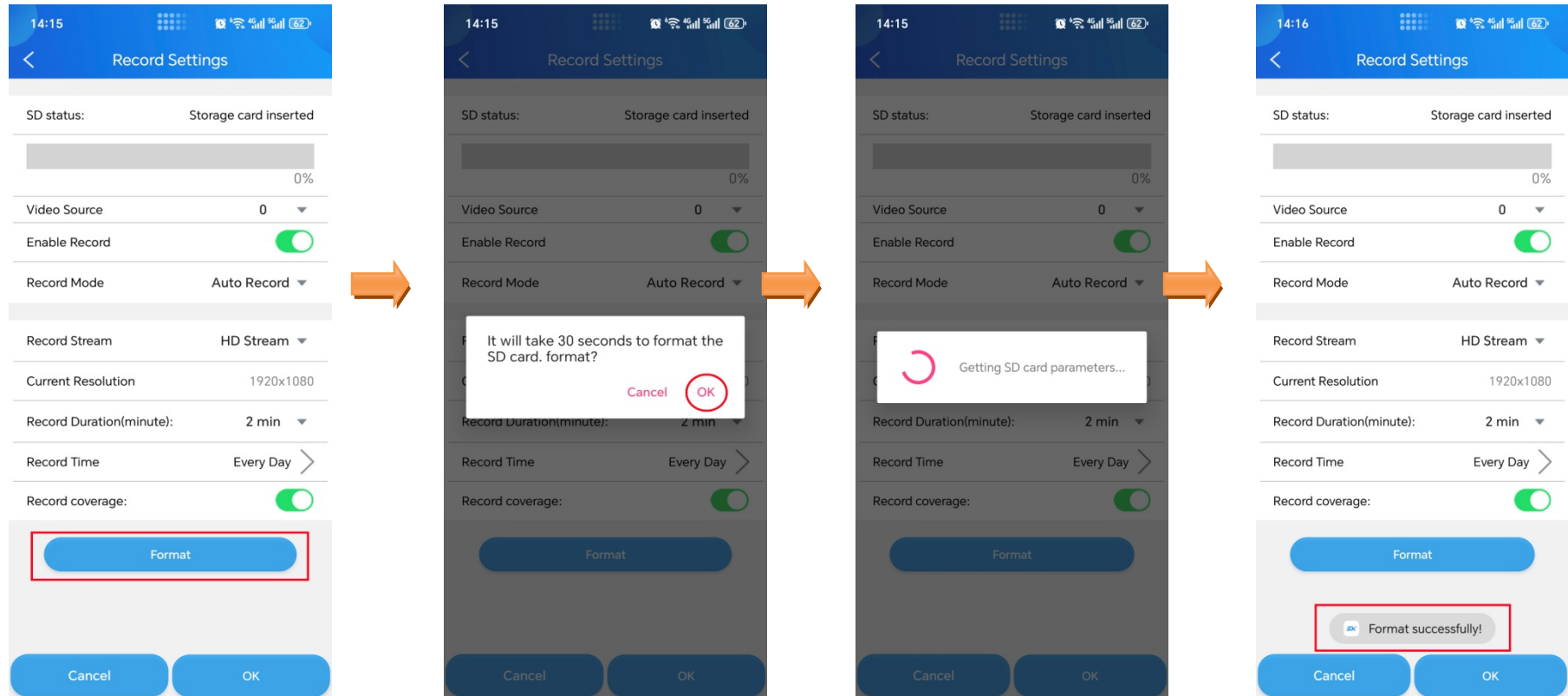
Step 1 Log in to App to check whether the Micro SD card can be identified normally.

1. Log in to App. Tap the device **Settings** which you want to set on the homepage.
2. Tap **Record Settings**.
3. View the **SD status**.



Step 2 Format Micro SD Card.

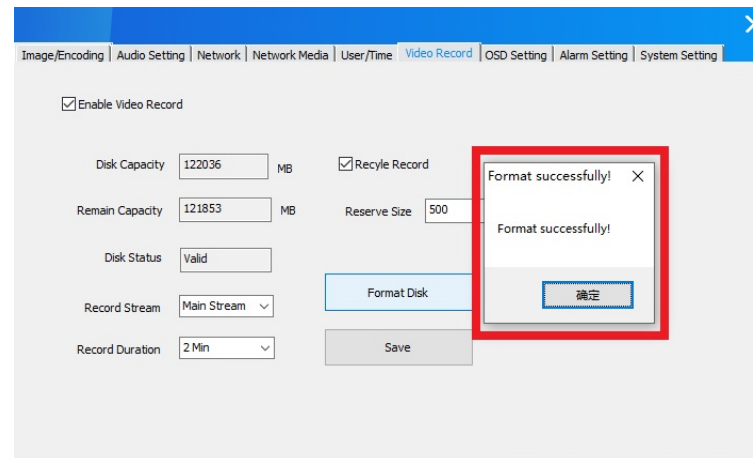
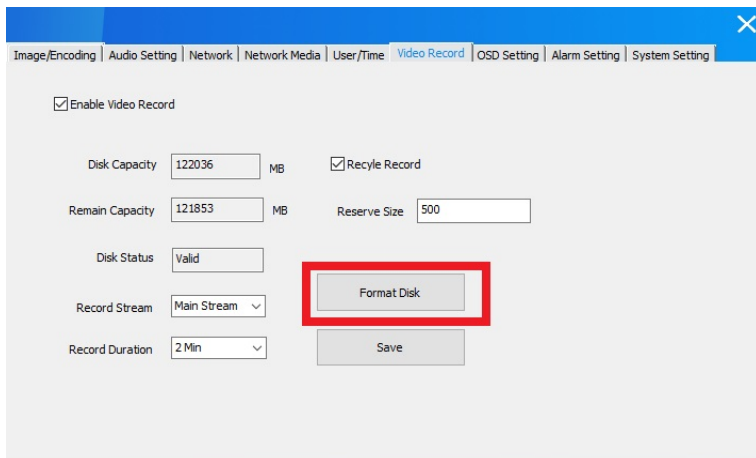
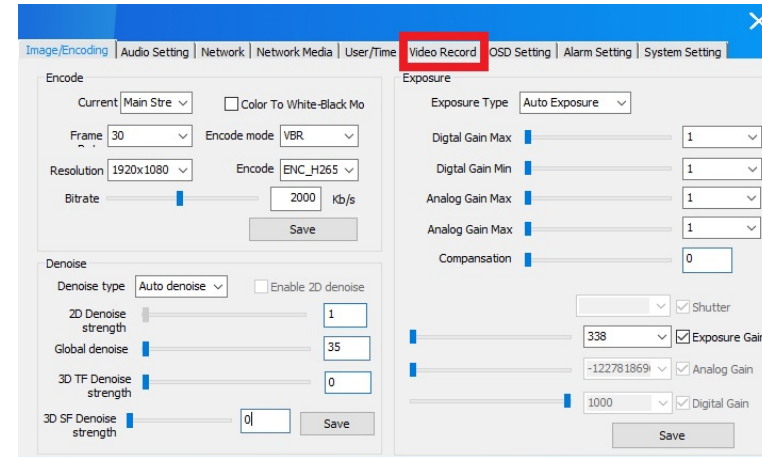
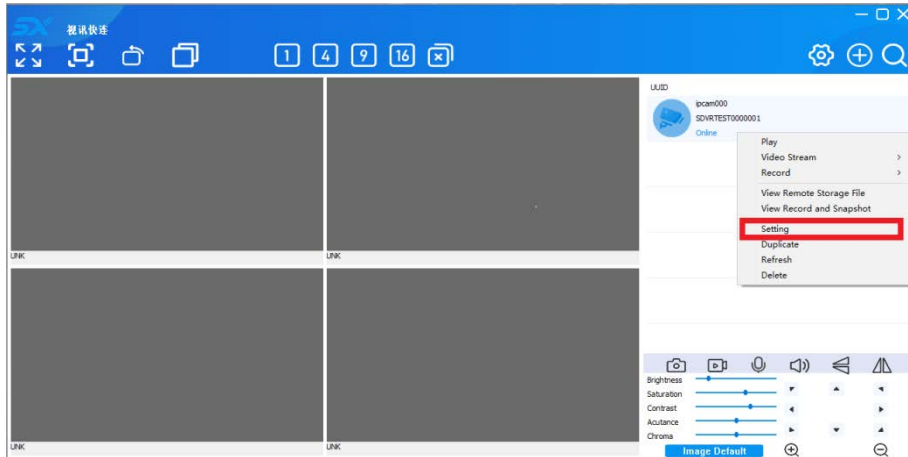
If necessary tap **Format** button to format.



Attention: All the information will be deleted after format.

Micro SD card recording storage (PC client)

Open SX-LINK, find the device you want to set up, and **right-click on the device icon** > **Setting** > **Video Record** > **Format Disk** > Wait **Format successfully** > **OK**.



Attention: All the information will be deleted after format.

Q & A:

1、 Q: When using NVR to connect devices, the network is connected, but there is no image.

A: This situation is mostly due to NVR not supporting H.265 format, please switch the device to H.264 format.

2、 Q: When using third-party connection devices such as ONVIF software on the computer, the network is connected, but there is no image.

A: ONVIF software defaults to transmitting images in H.264 format. Please switch your device to H.264 format.

3、 Q: When using PC client to connect device, it was found in the “search device”, but after adding, it is offline.

A: The PC client can search for devices across network segments. Please check if the IP addresses of the device and the computer are in the same network segment. The device will only go online when the computer and device are in the same LAN segment. Please use the PC client to search for the device IP address and check PC IP address.

4、 Q: Some Hikvision NVR prompt username and password errors after adding devices.

A: Please use the custom add function of Hikvision NVR, select ONVIF protocol, enter username and password to try adding.

