User Guide

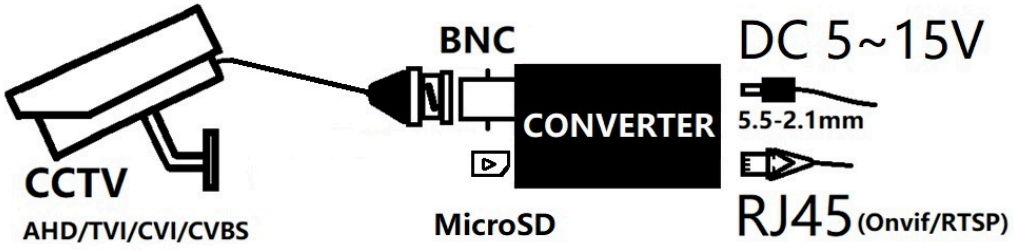
Quick start for 4 IN 1 CONVERTER G2

V 1.0.2

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. Size: 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

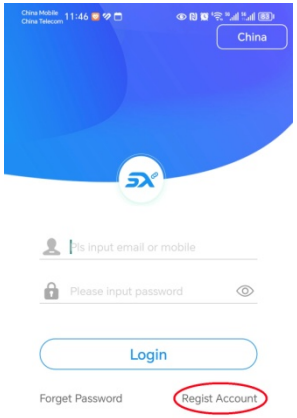
- **If you DO NOT have a registered account**

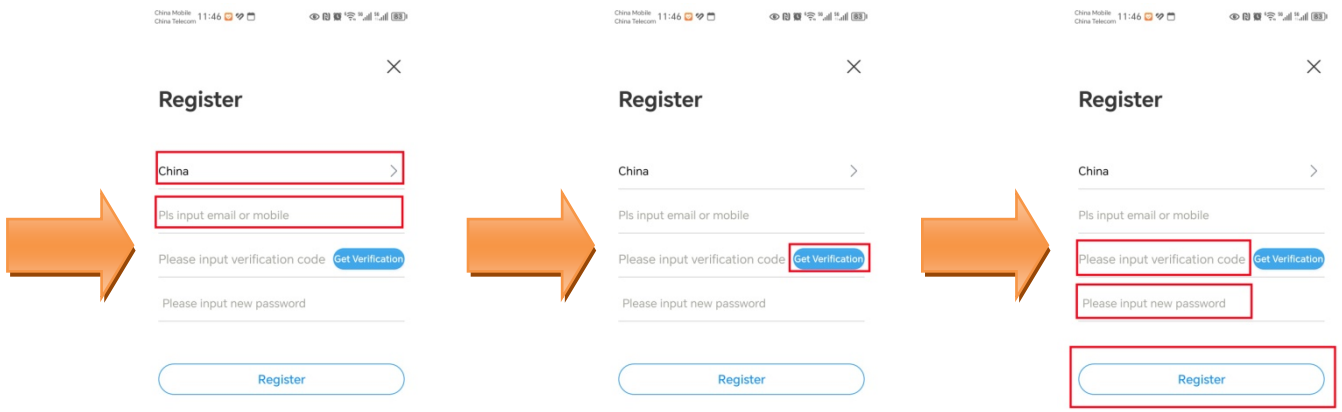
Step 1 Open the App. Tap **Regist Account**.

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**.

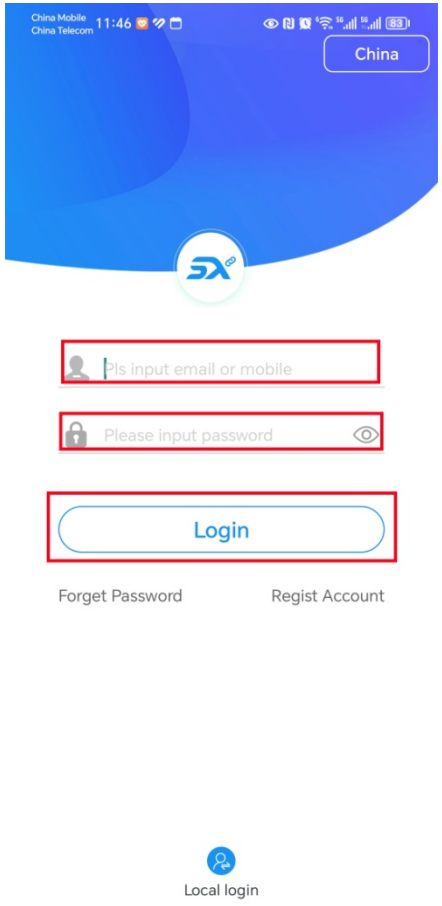


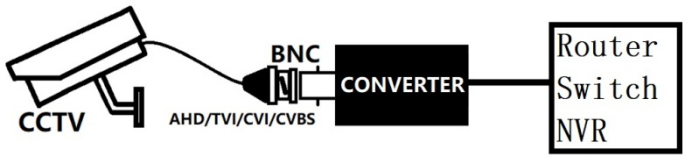


■ If you already have a registered account

Step 1 Open the App.

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





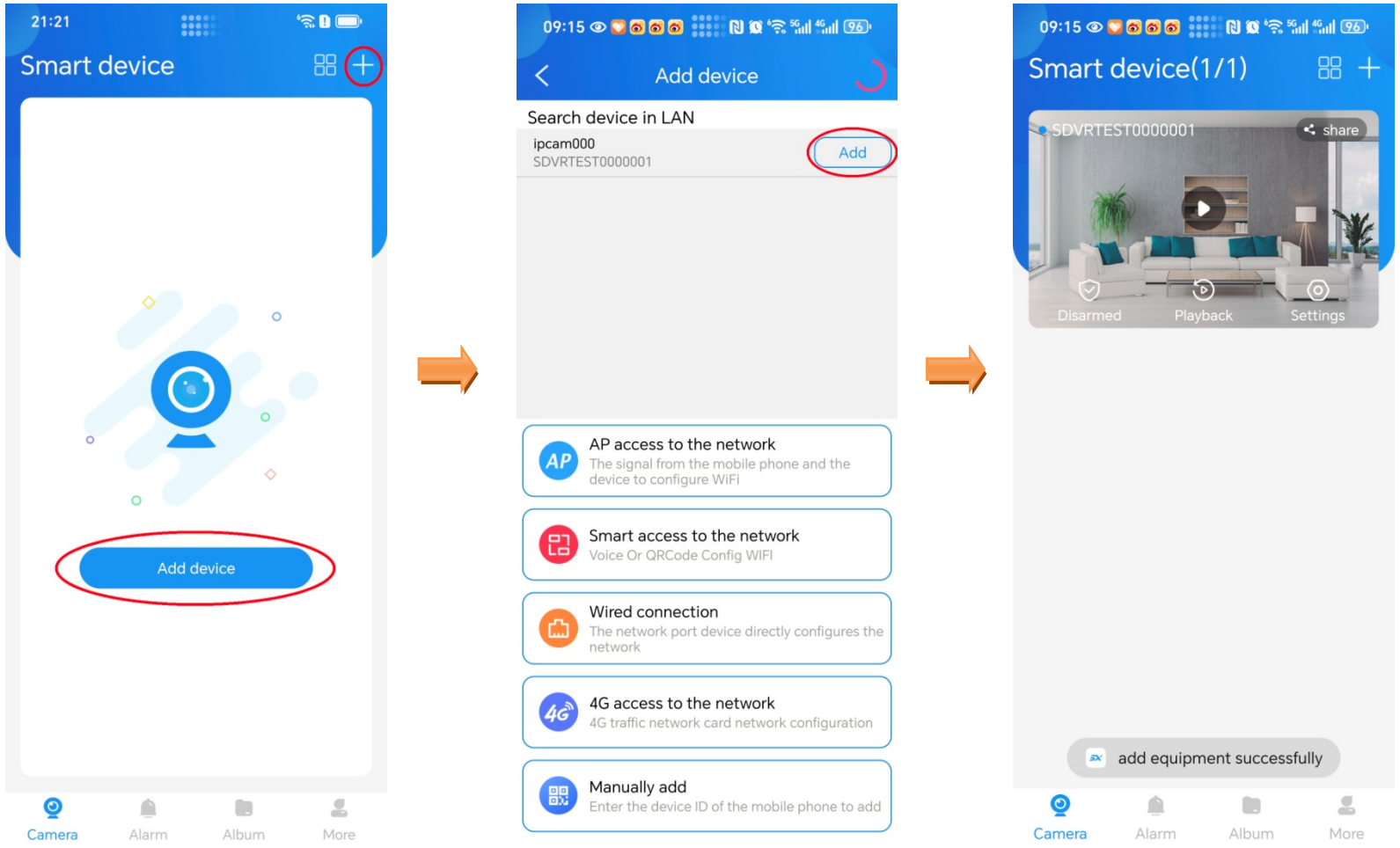
Add device to APP

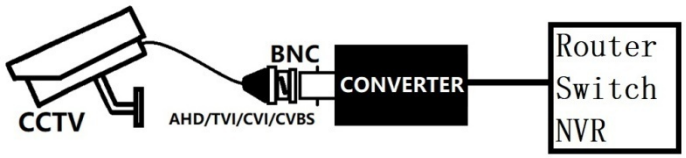
Setp1 Connect the device with router or switch or NVR through network cable, power on the device, and confirm that the phone and devices are **in the same LAN**.

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.





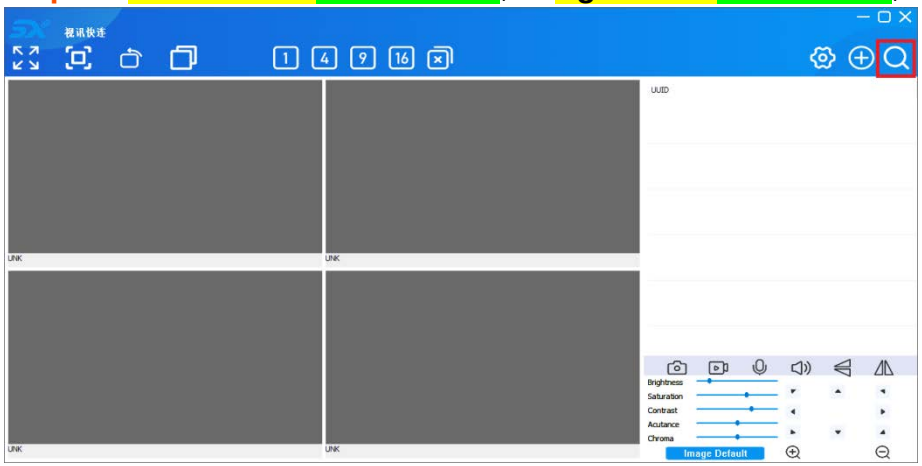
Add device to PC client

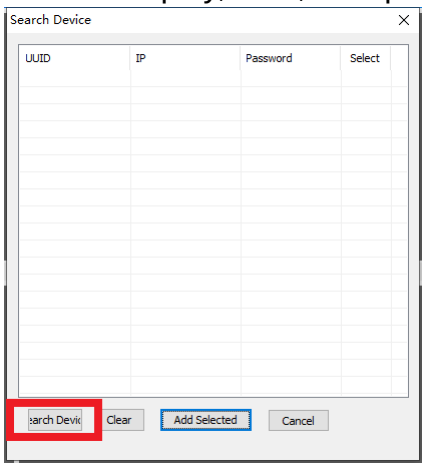
Setp1 Connect the device with router or switch or NVR through network cable, power on the device, and confirm that computer and devices are **in the same LAN**.

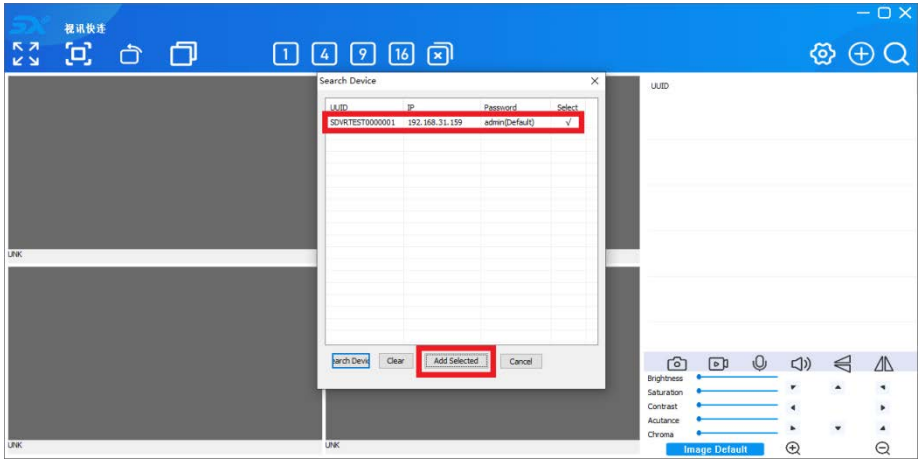
Setp2 Open SX-LINK, click 🔍, click **Search Device**, The client will search for the device, and the UID, IP, Password come out, click **Add selected**.

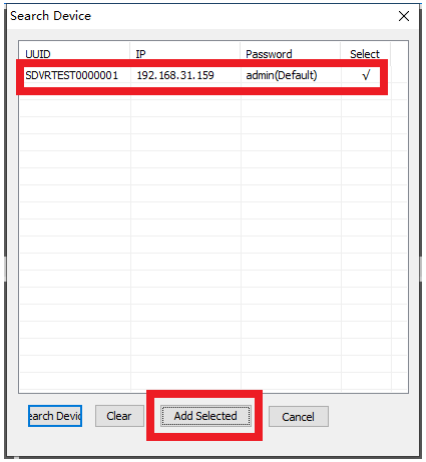
Setp3 Wait a moment, the device will be **Online**.

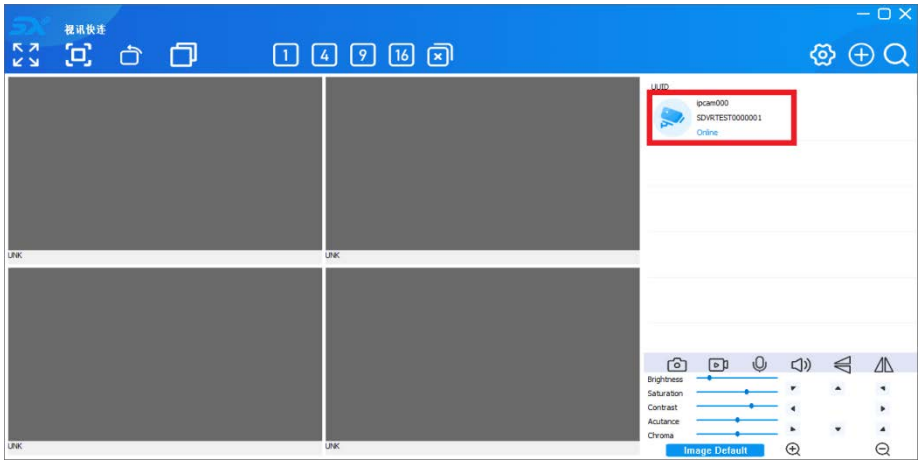
Setp4 **Double click device icon**, or **right-click device icon**, You can use client play, view, set up device.

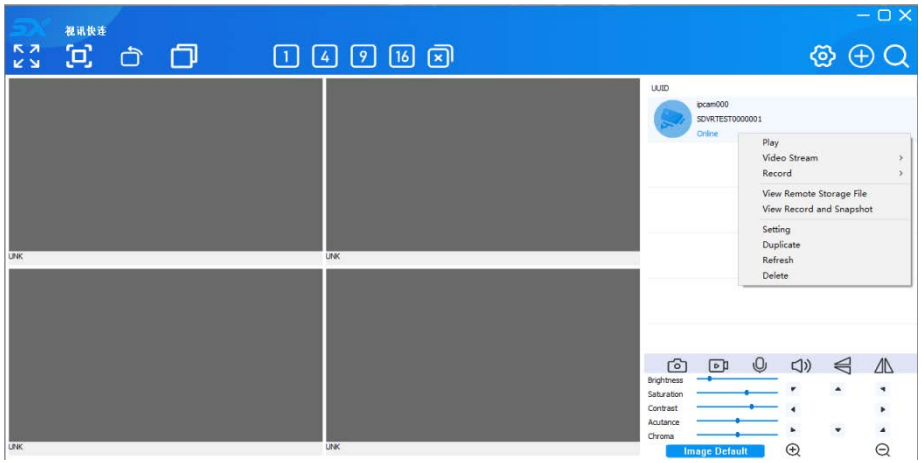








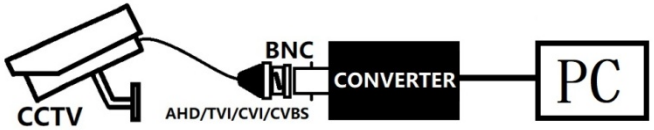




Q & A:

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.

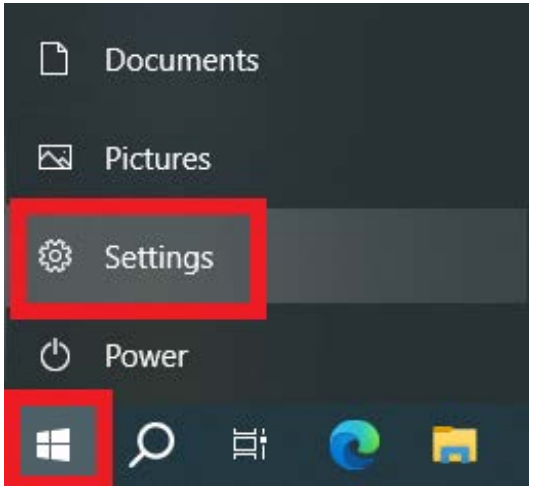
Setp3 Change the PC IP address, for example, Windows 10 **Click Windows Start** > **Settings** > **Network & Internet** > **Change adapter options** > **Double click Ethernet** > **Ethernet Properties** > **Double click Internet Protocol Version4（TCP/IPv4）** > **Click Use the following IP address fill 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**.

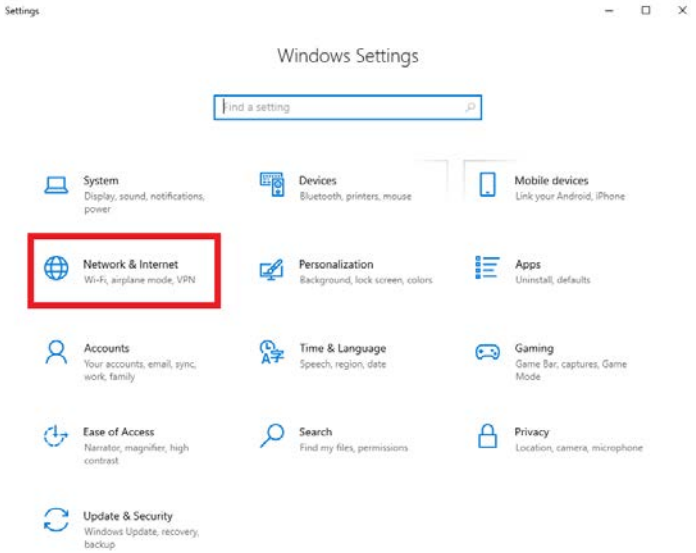
Setp4 Connect the device and provide power. Connect the device to the computer's Ethernet port using a network cable to establish a direct connection between the computer and the device.

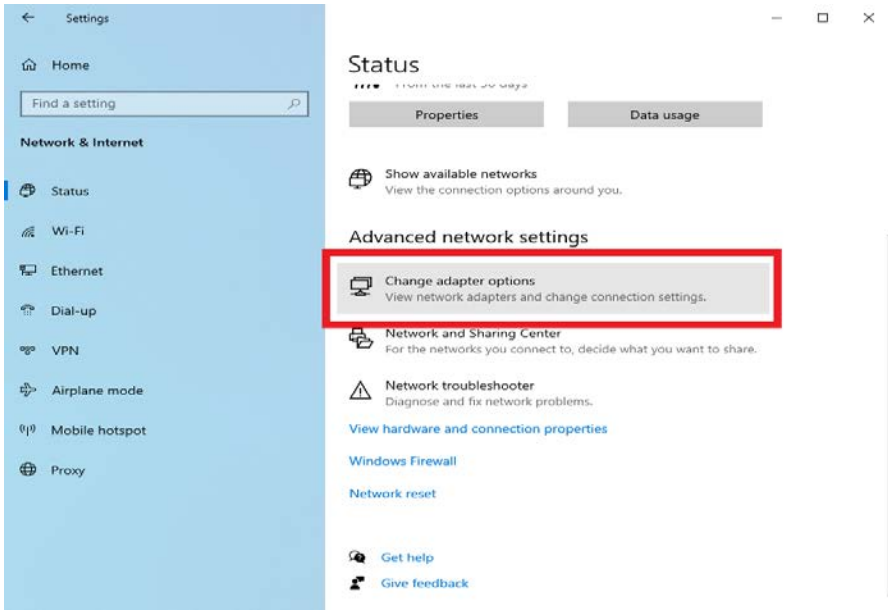
Setp5 Open SX-LINK, click .Click **Search Device**, The client will search for the device, and the UID, IP, Password come out（**Attention：Computer and device should be in the same network segment. If not, please reset device to factory settings and try again**） > Click **Add selected**.

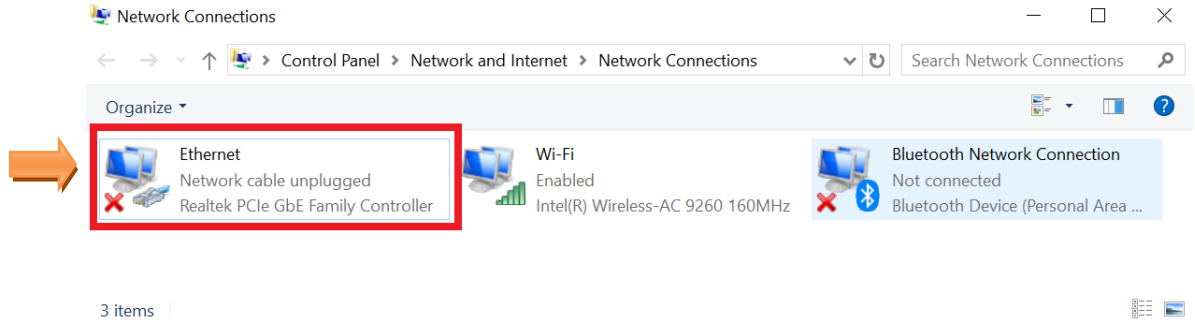
Setp6 Wait a moment, the device will be **Online**.

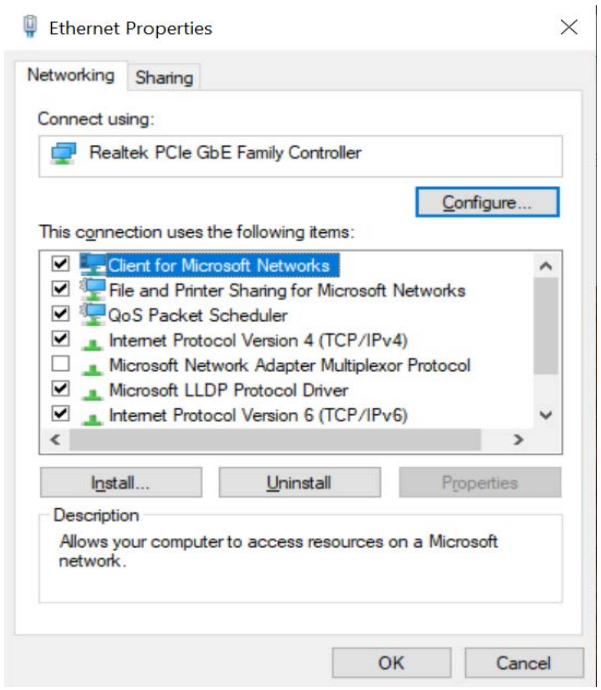
Setp7 **Double click device icon**, or **right-click device icon**, You can use client play, view, set up device.

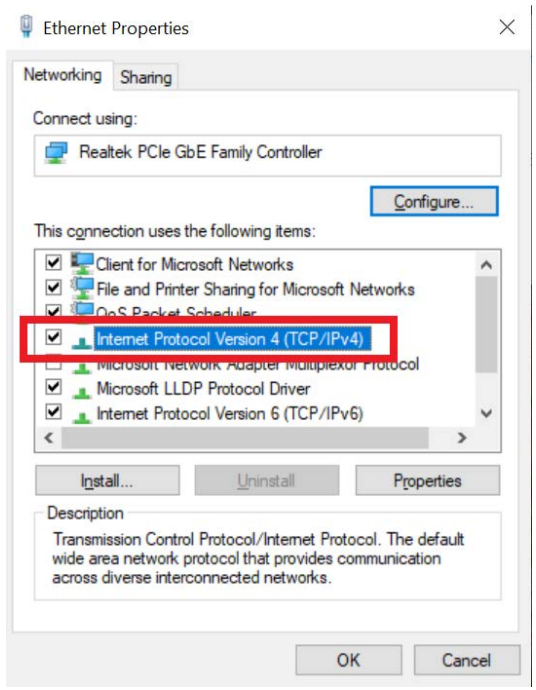


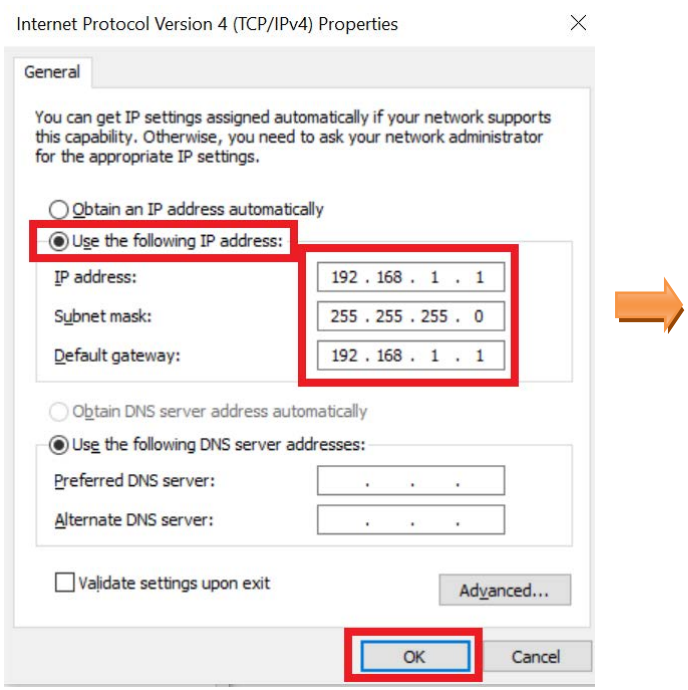


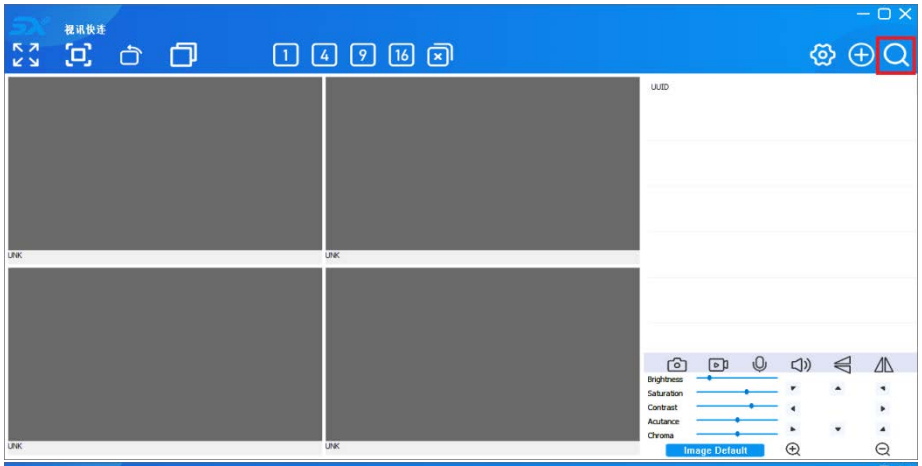

Settings
Home
Find a setting
Network & Internet
Status
Wi-Fi
Ethernet
Dial-up
VPN
Airplane mode
Mobile hotspot
Proxy
Status
Properties
Data usage
Show available networks
View the connection options around you.
Advanced network settings
Change adapter options
View network adapters and change connection 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

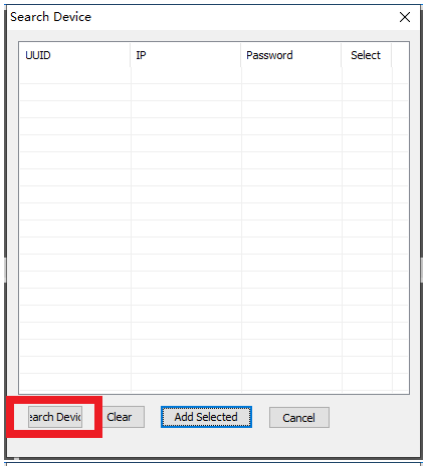

Network Connections
Control Panel › Network and Internet › Network Connections
Search Network Connections
Organize
Ethernet
Network cable unplugged
Realtek PCIe GbE Family Controller
Wi-Fi
Enabled
Intel(R) Wireless-AC 9260 160MHz
Bluetooth Network Connection
Not connected
Bluetooth Device (Personal Area ...
3 items

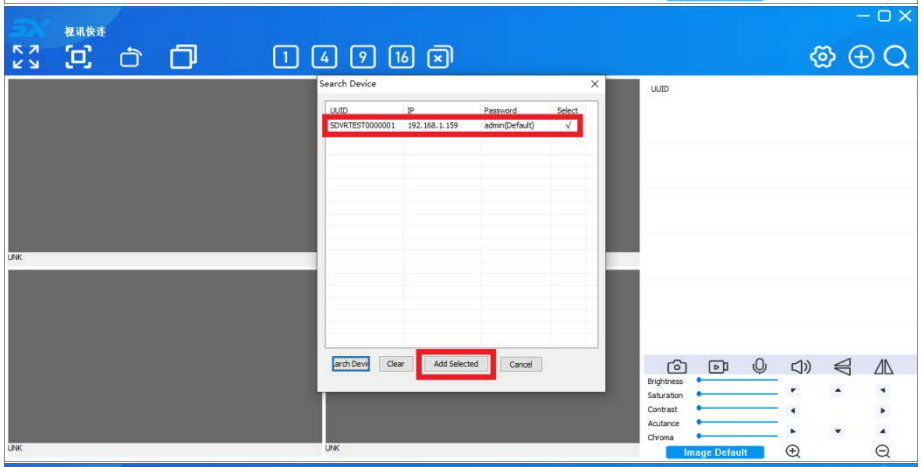

Ethernet Properties
Networking
Sharing
Connect using:
Realtek PCIe GbE Family Controller
Configure...
This connection uses the following items:
Client for Microsoft Networks
File and Printer Sharing for Microsoft Networks
QoS Packet Scheduler
Internet Protocol Version 4 (TCP/IPv4)
Microsoft Network Adapter 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

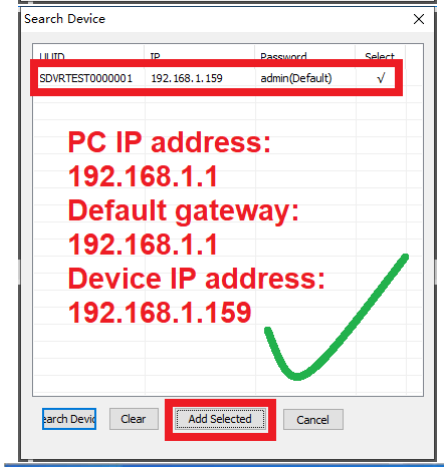

Ethernet Properties
Networking
Sharing
Connect using:
Realtek PCIe GbE Family Controller
Configure...
This connection uses the following items:
Client for Microsoft Networks
File and Printer Sharing for Microsoft Networks
Internet Protocol Version 4 (TCP/IPv4)
Microsoft LLDP Protocol Driver
Internet 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

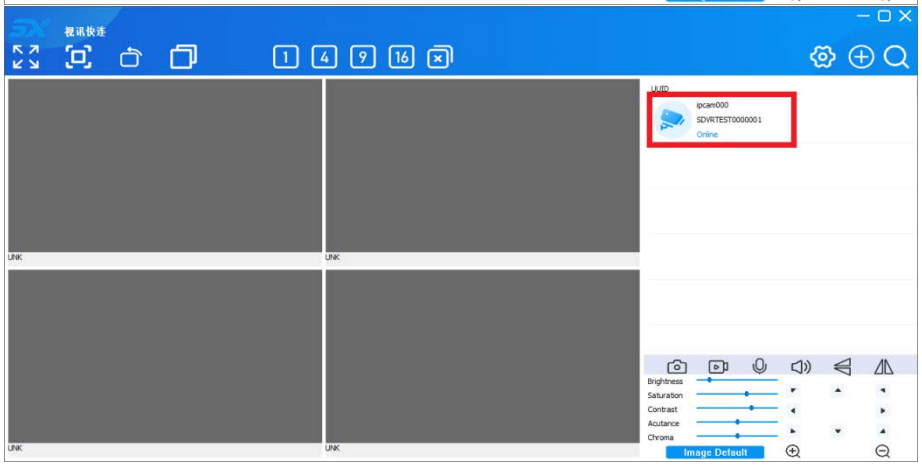

Internet Protocol Version 4 (TCP/IPv4) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP 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

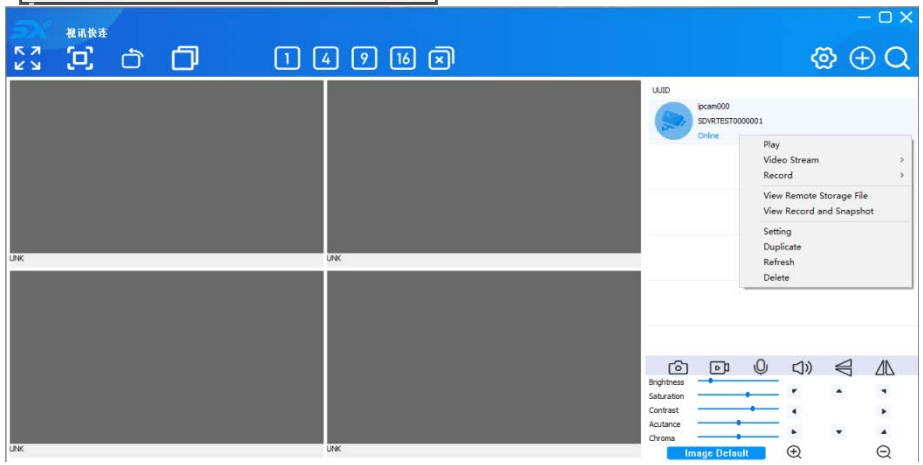

视讯快连
UUID
Brightness
Saturation
Contrast
Acutance
Chroma
Image Default


Search Device
UUID
IP
Password
Select
Clear
Add Selected
Cancel


视讯快连
Search Device
SDVRTEST0000001
192.168.1.159
admin(Default)
Clear
Add Selected
Cancel
UUID
Image Default

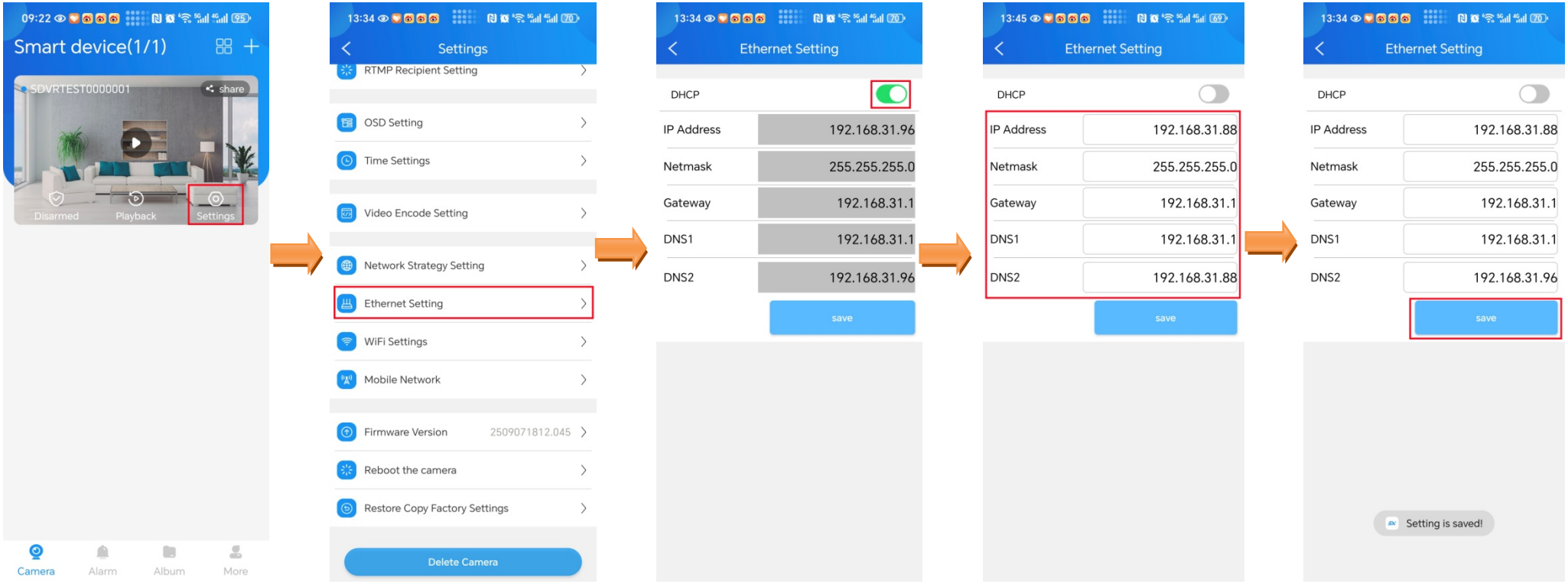

Search Device
SDVRTEST0000001
192.168.1.159
admin(Default)
PC IP address:
192.168.1.1
Default gateway:
192.168.1.1
Device IP address:
192.168.1.159
Clear
Add Selected
Cancel


视讯快连
UUID
ipcam000
SDVRTEST0000001
Online
Image Default


视讯快连
UUID
ipcam000
SDVRTEST0000001
Online
Play
Video Stream
Record
View Remote Storage File
View Record and Snapshot
Setting
Duplicate
Refresh
Delete
Image Default

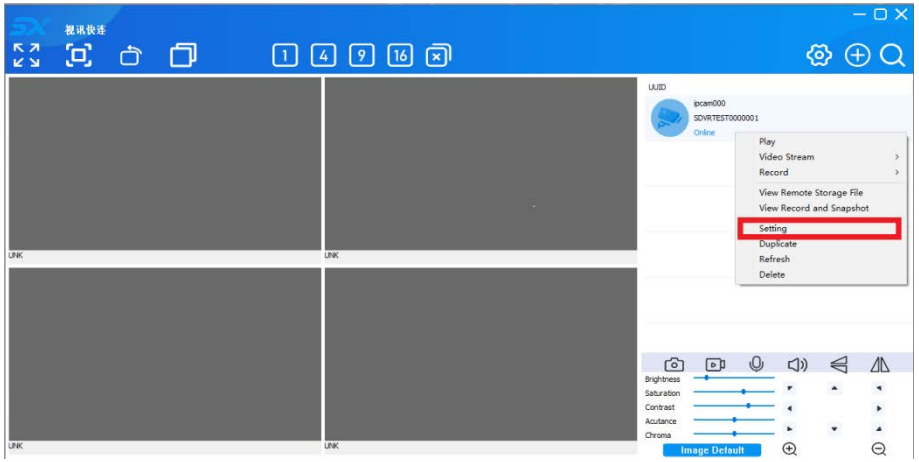
IP Setting（APP）

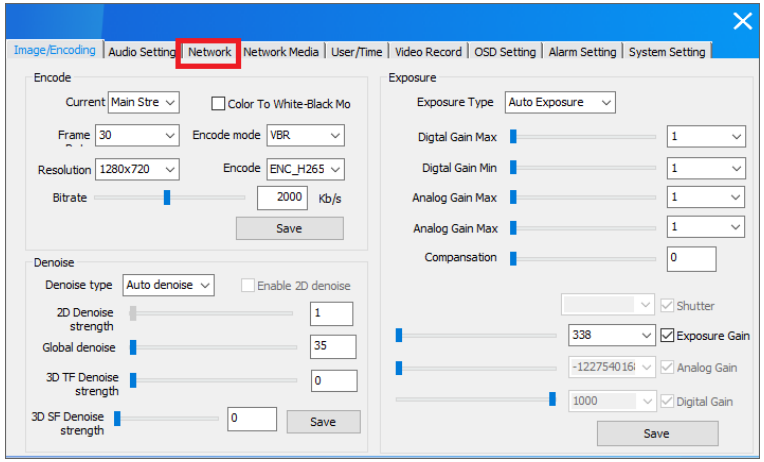
The factory setting of device is obtain an IP address automatically. If a fixed IP address is required, it can be modified through the APP/software.
Open APP, find the device you want to set up, **Settings** > **Ethernet Setting** > **Click the switch, it will change from green to grey** > **Fill in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

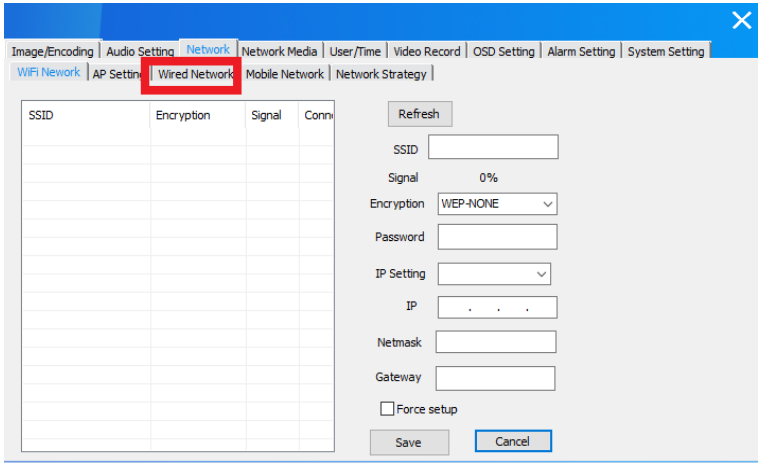


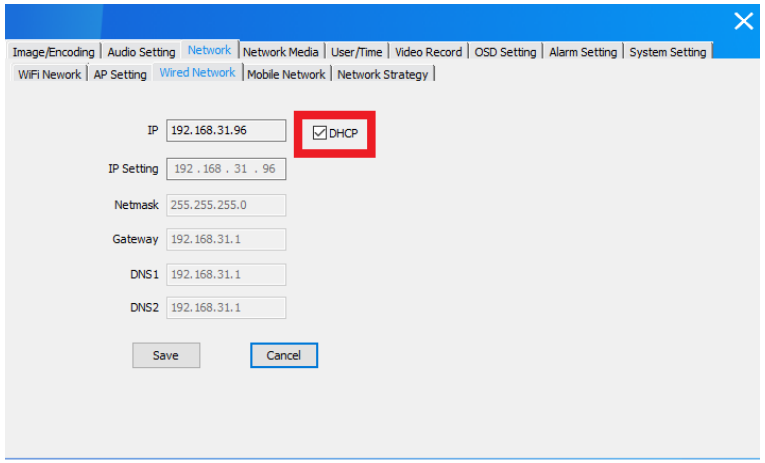
IP Setting （PC client）

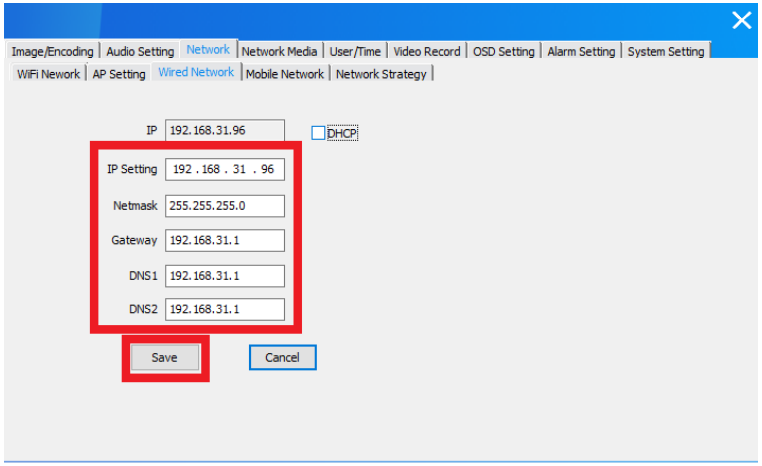
Open SX-LINK, find the device you want to set up, and **right-click on the device icon** > **Setting** > **Network** > **Wired network** > **Cancel ✔ by clicking** > **✔disappear** > **Fill in the IP address according to the requirements** > **Save** > **OK**.

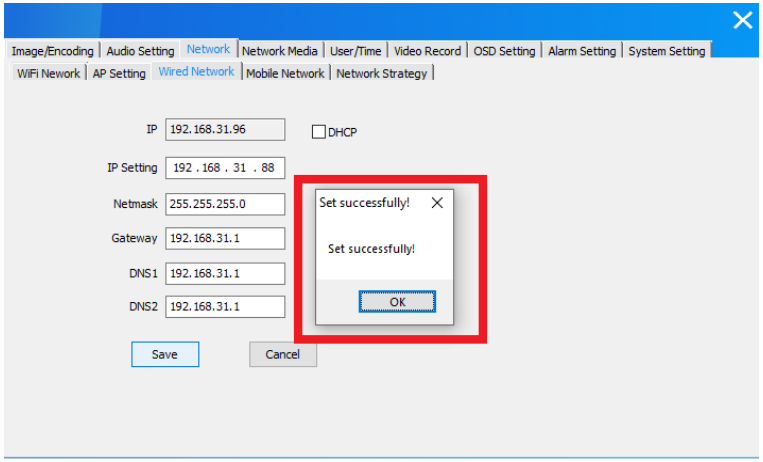












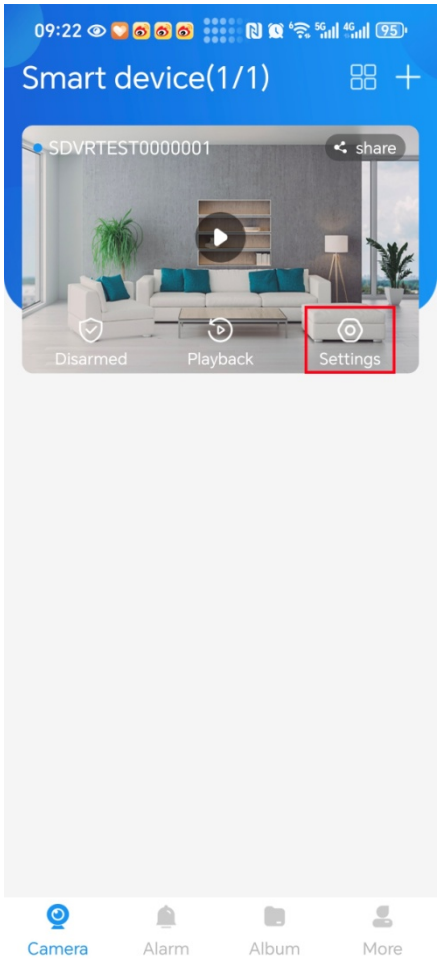
Q & A:

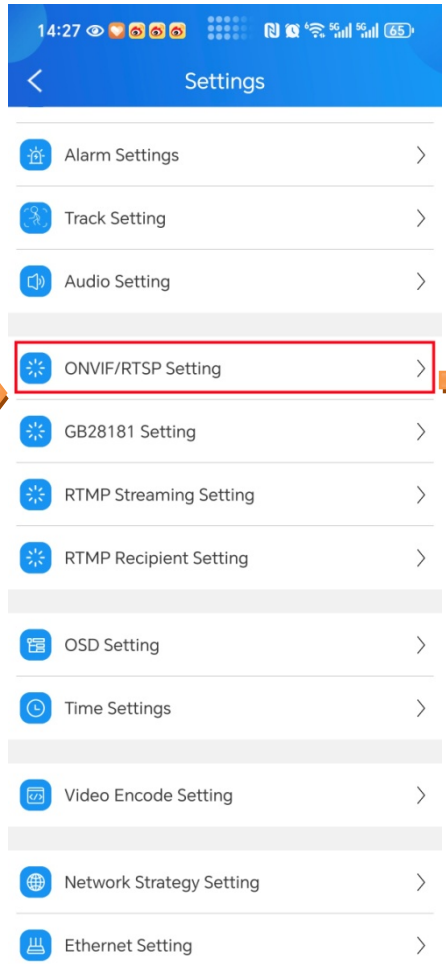
If IP address setting unsuccessful, please check

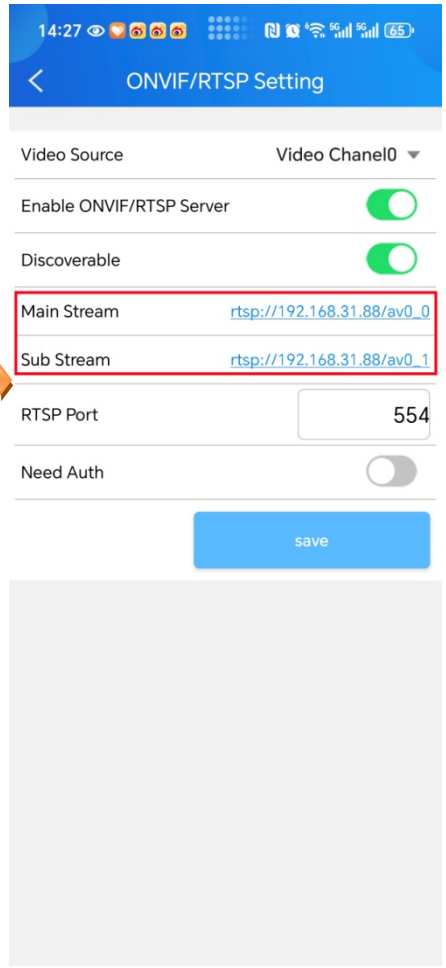
1. Restart device.
2. Repeat the setting process.
3. Reset device and try again.

RTSP address obtain and setting（APP）

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

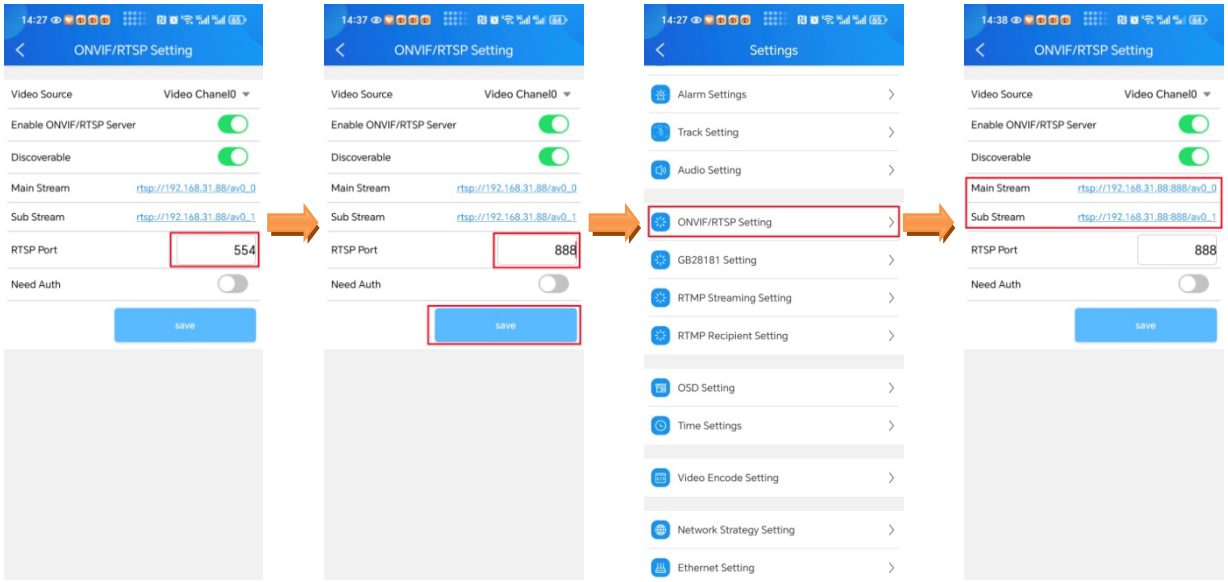






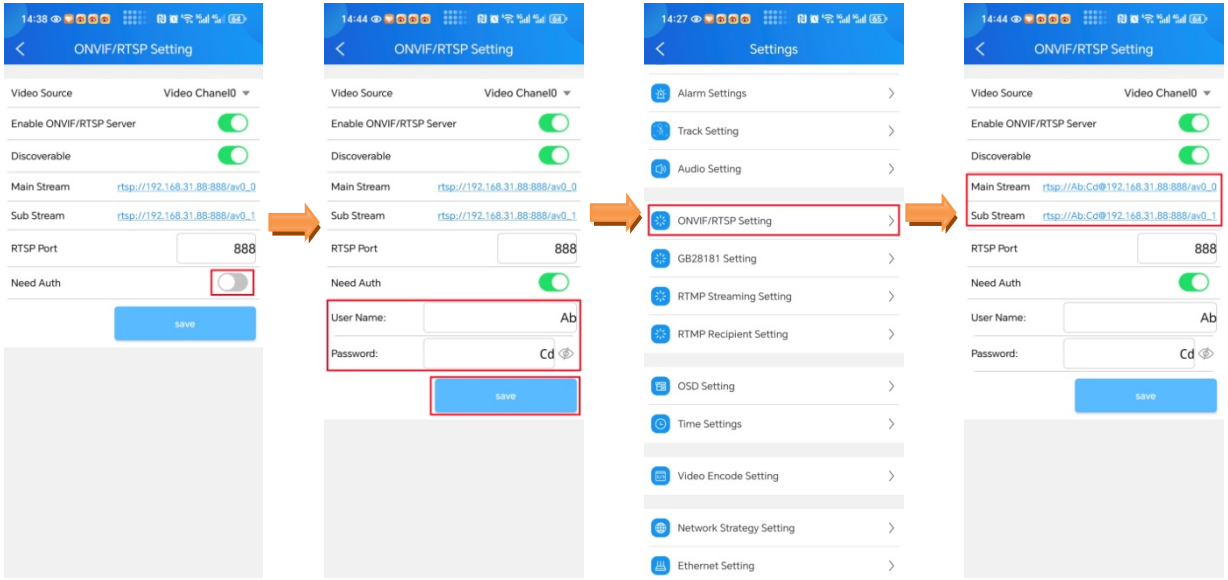
Users can modify the port number, add username and password as needed. Attention: After modification, the addresses of the main stream and sub stream will be changed. Please get it again.

1、Modify port number：



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

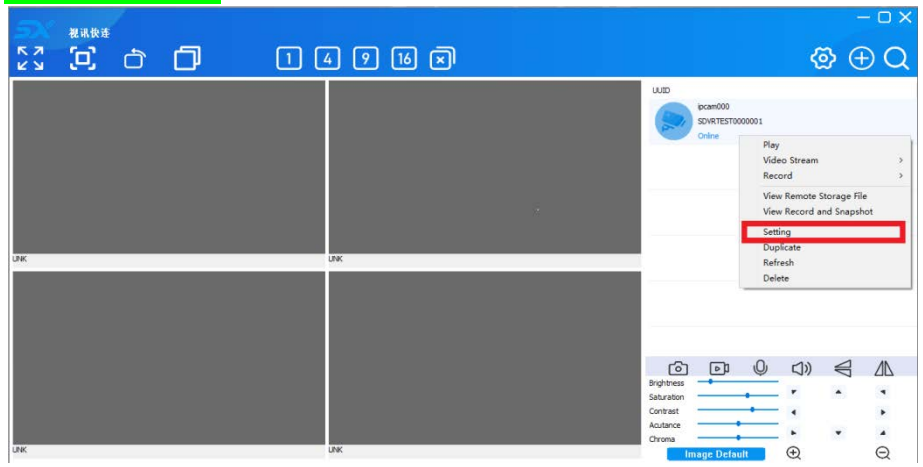
2、add username and password.

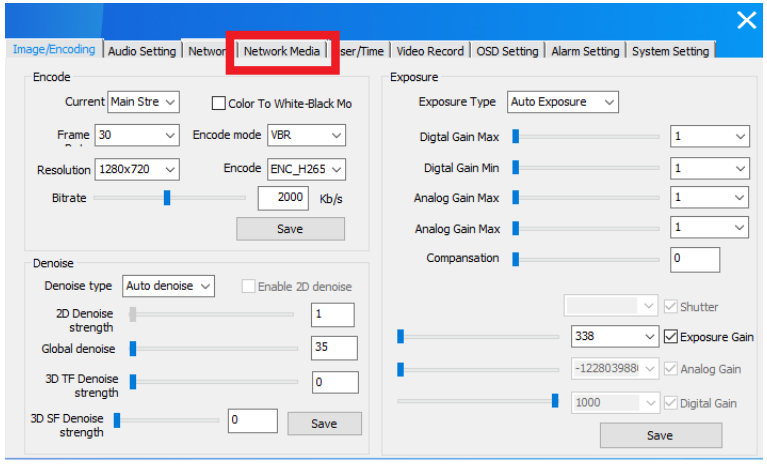


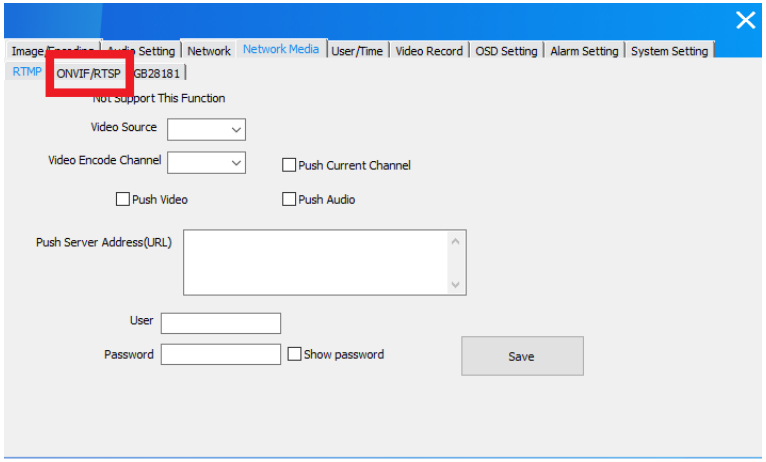
Main Stream	rtsp://Ab:Cd@192.168.31.88:888/av0_0
Sub Stream	rtsp://Ab:Cd@192.168.31.88:888/av0_1

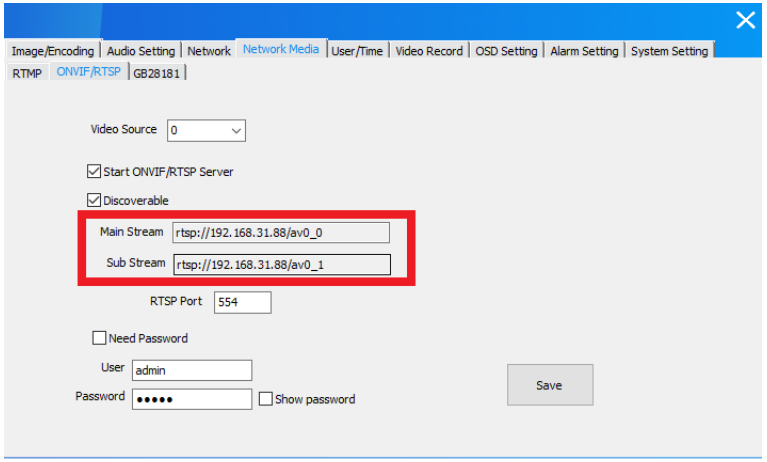
RTSP address obtain and setting（PC client）

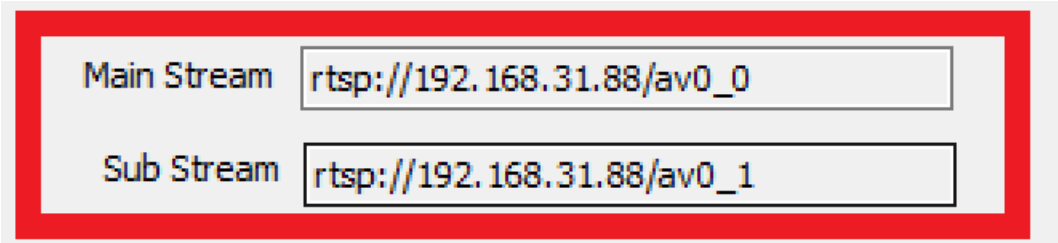
Open SX-LINK, find the device you want to set up, and **right-click on the device icon** > **Setting** > **Network Media** > **ONVIF/RTSP** > **Obtain RTSP address**.





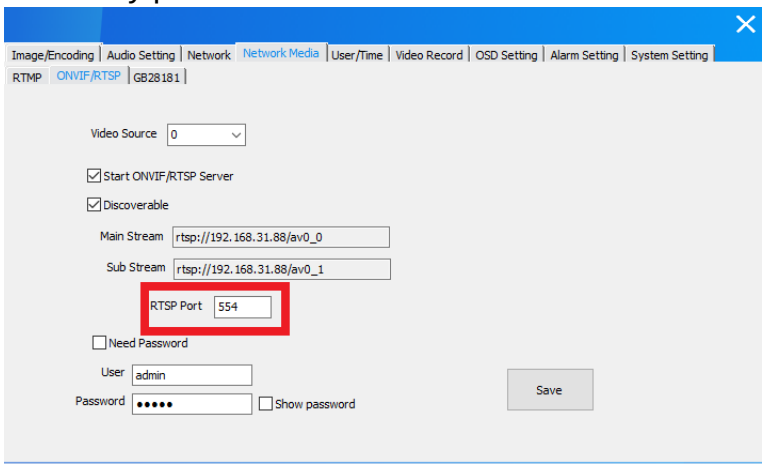


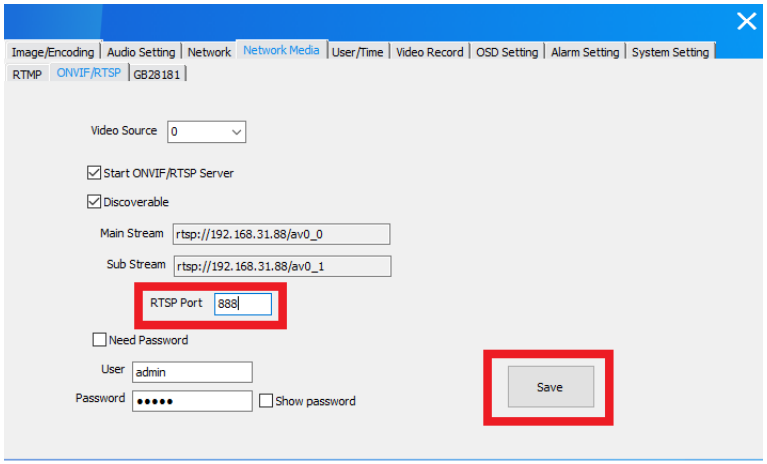


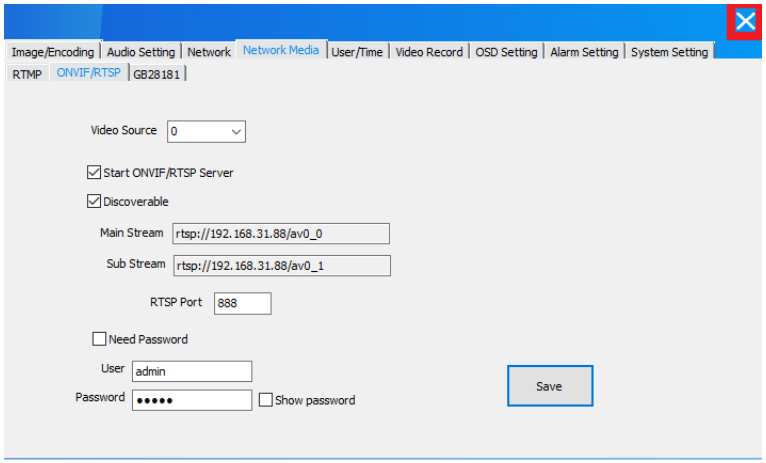


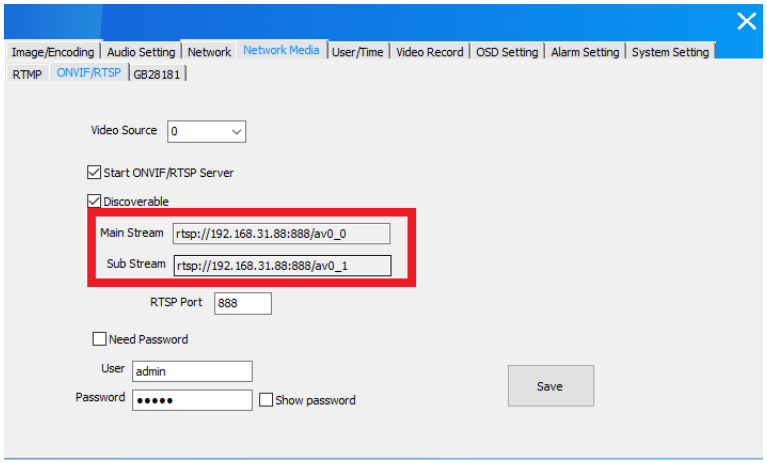
Users can modify the port number, add username and password as needed. Attention: After modification, the addresses of the main stream and sub stream will be changed. Please get it again.

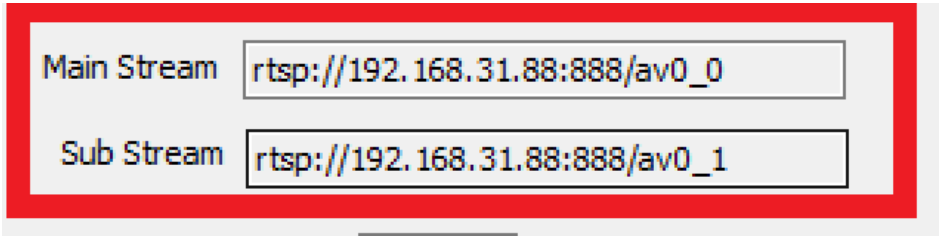
1、Modify port number：



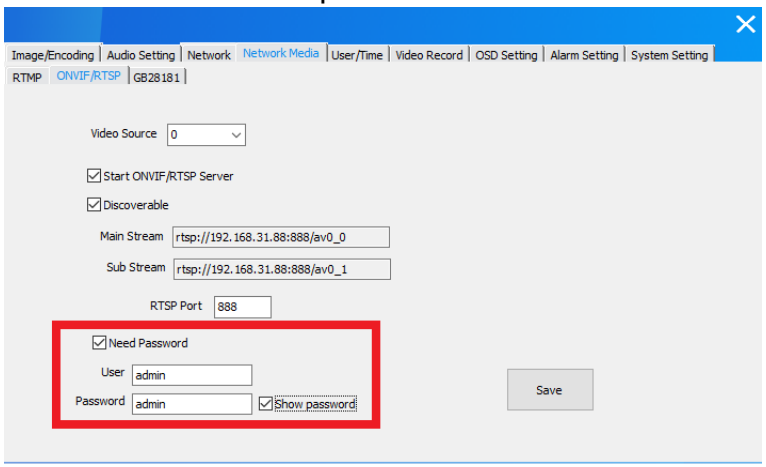


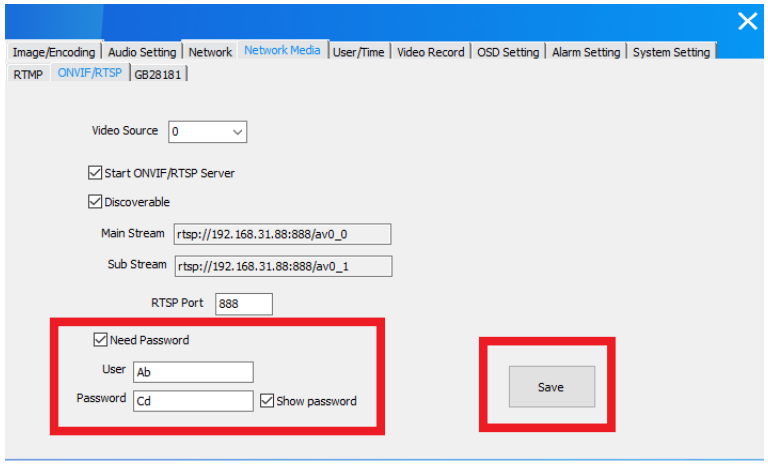


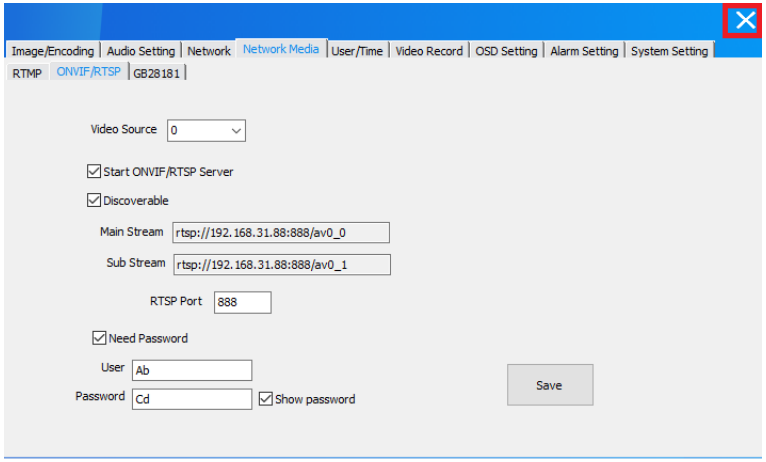


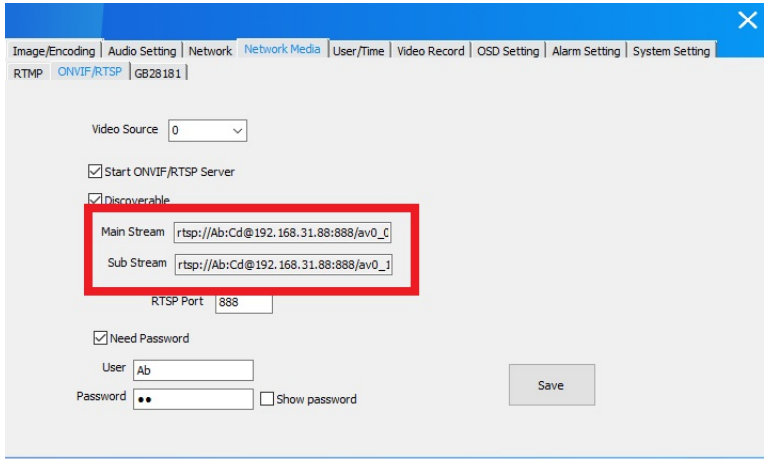


2、add username and password:









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.

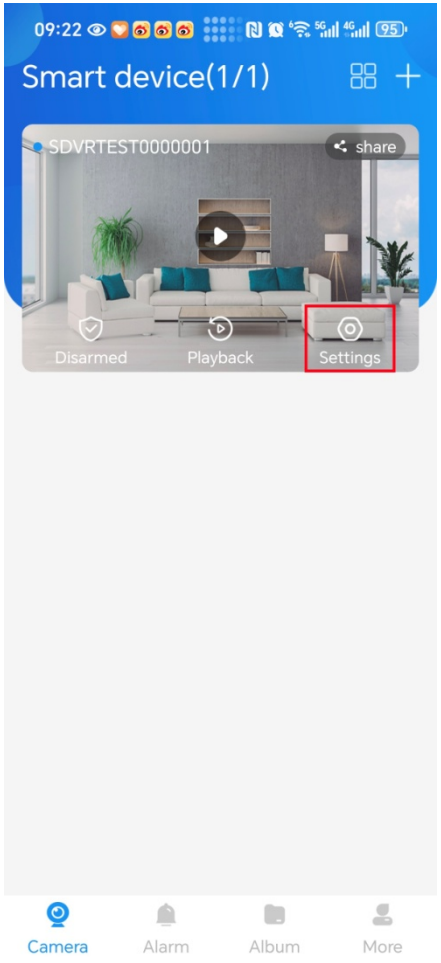
This example

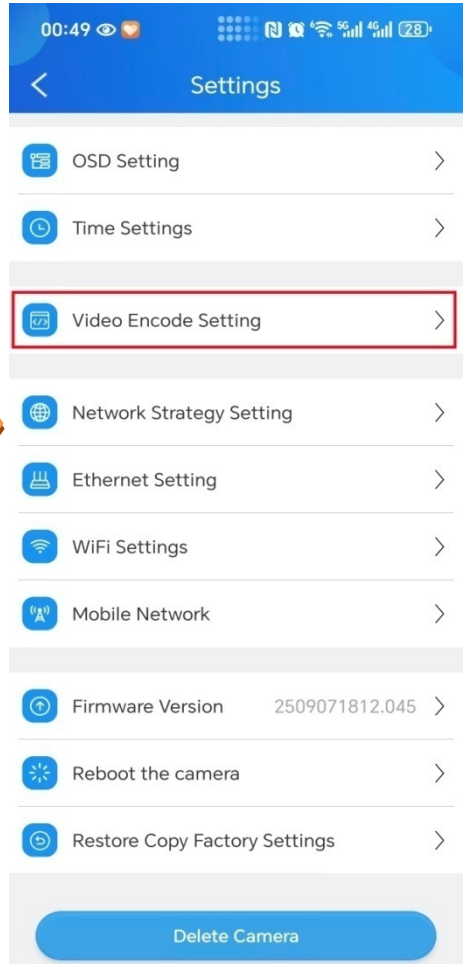
Main stream：rtsp://Ab:Cd@192.168.31.88:888/av0_0

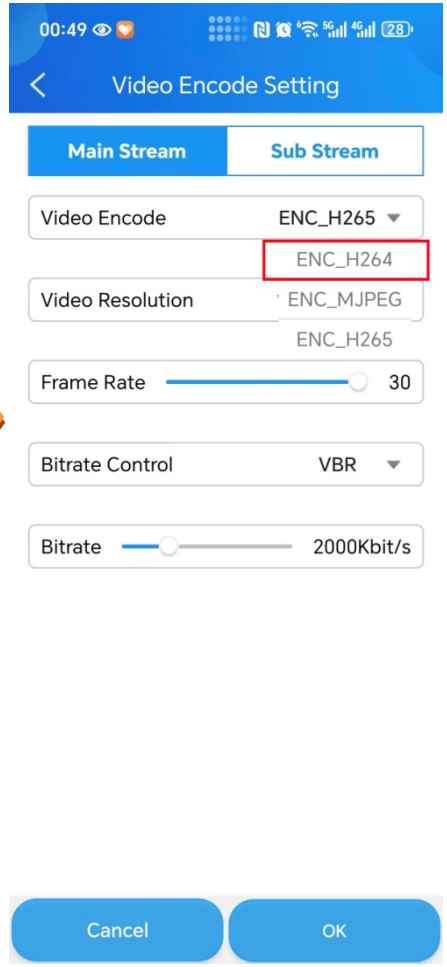
Sub stream：rtsp://Ab:Cd@192.168.31.88:888/av0_1

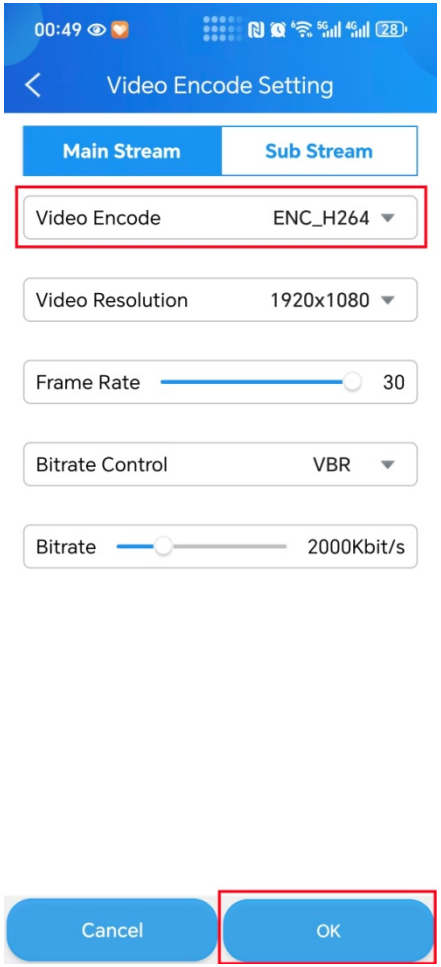
H.264/H.265 switch（APP）

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**.





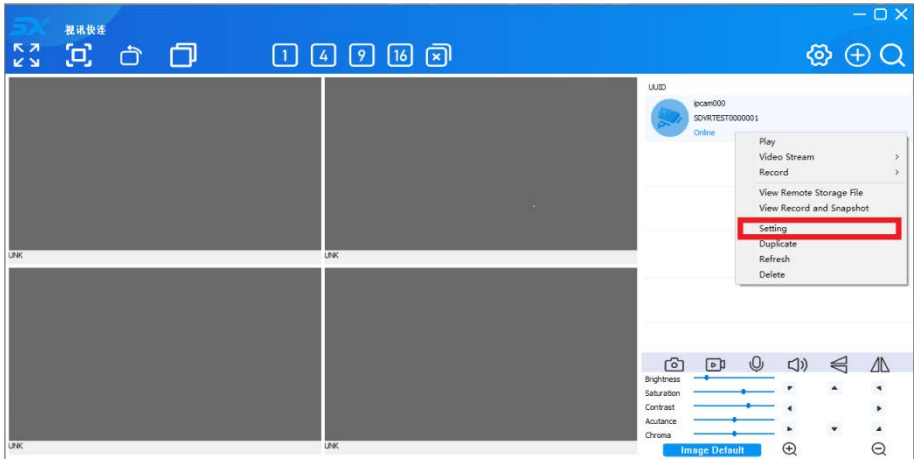


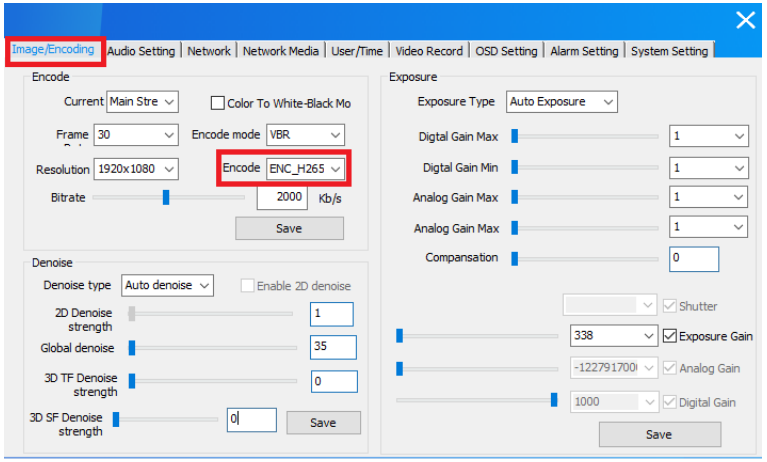


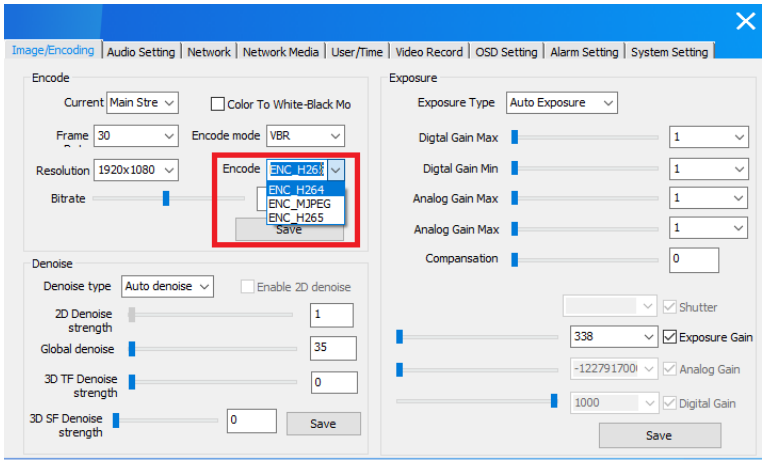
H.264/H.265 switch（PC client）

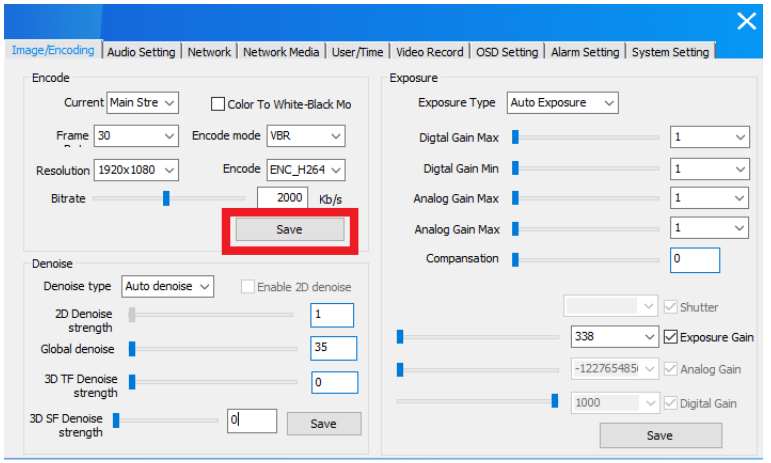
The factory setting of device is H.265 ,If H.264 required, it can be modified through the APP/software.

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**.









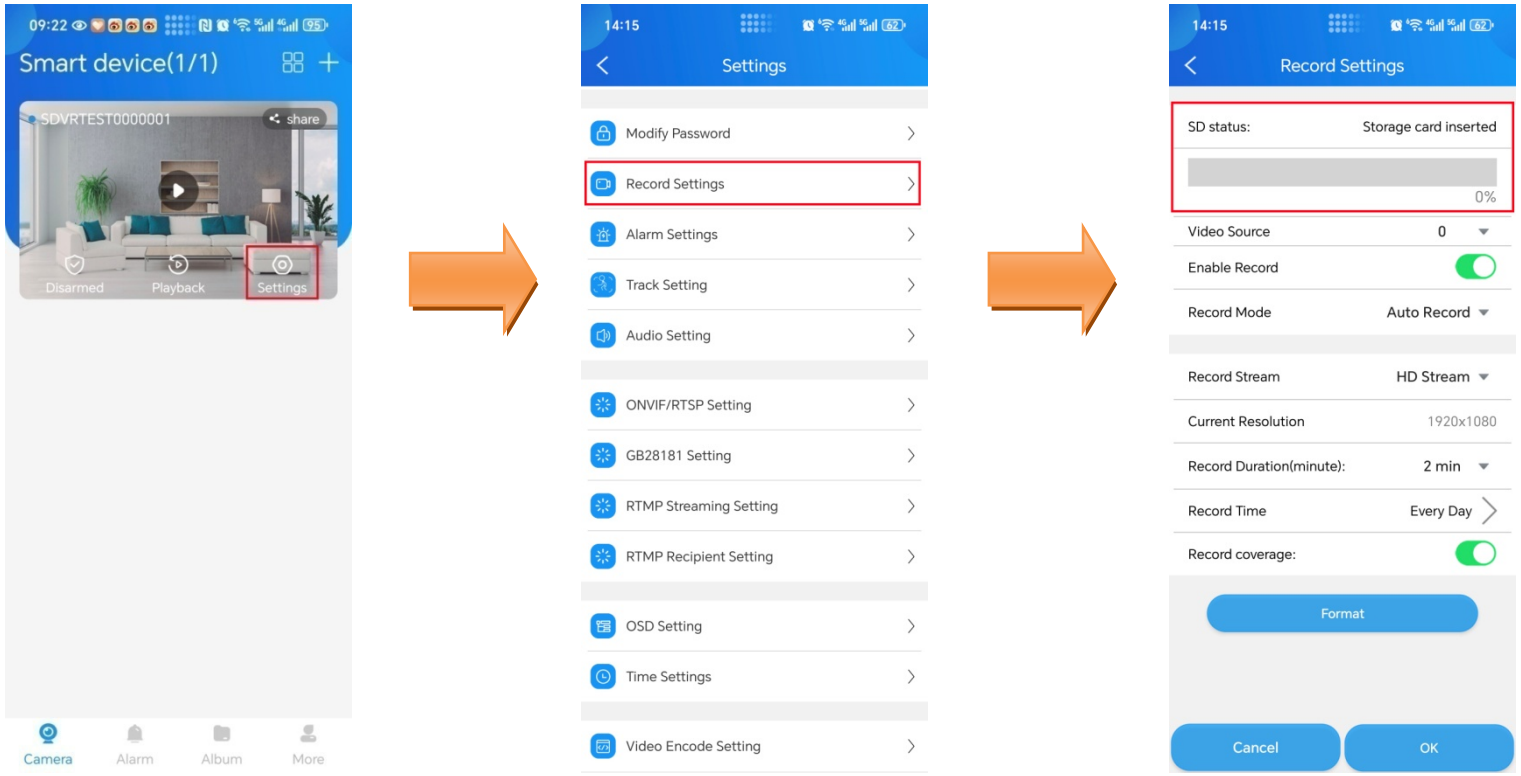
Micro SD card recording storage（APP）

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.

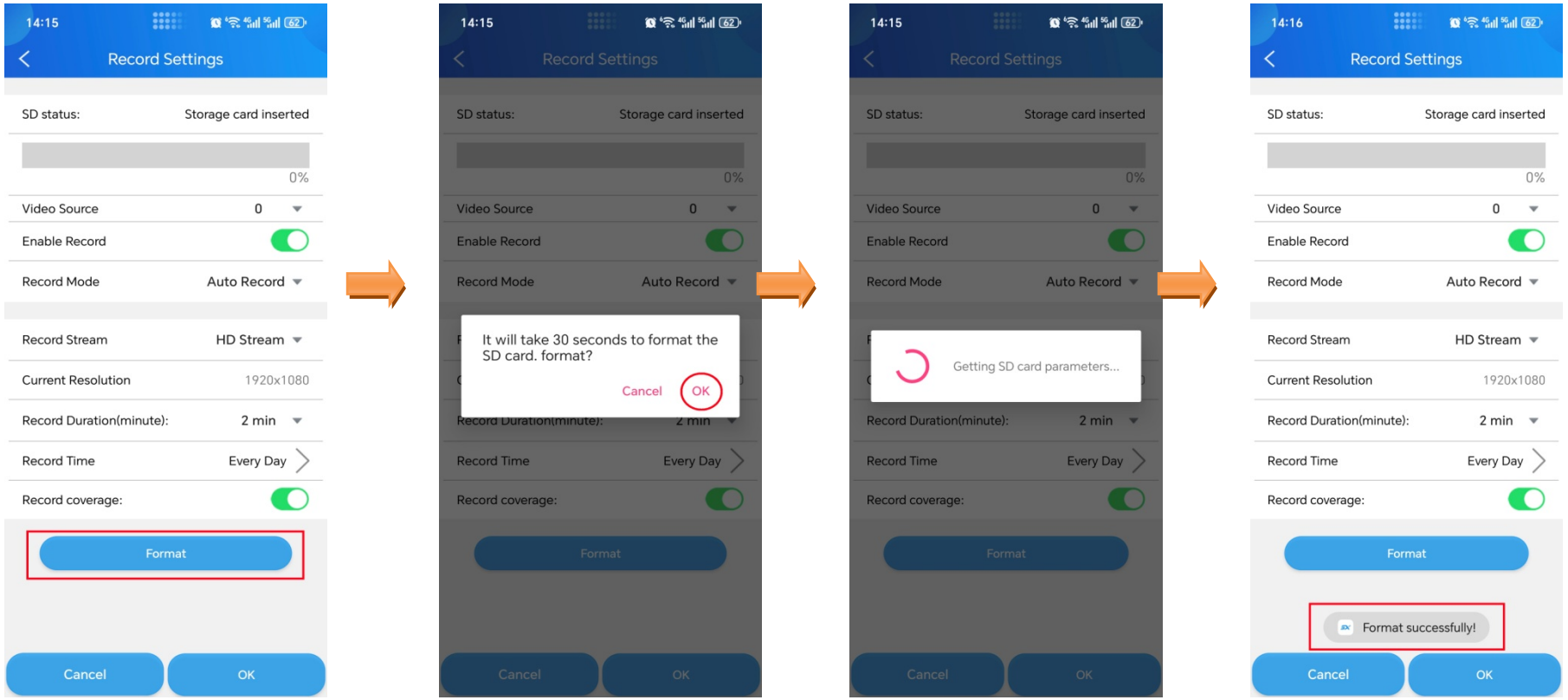
Step 1 Log in to App to check whether the Micro SD card can be identified normally.

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.

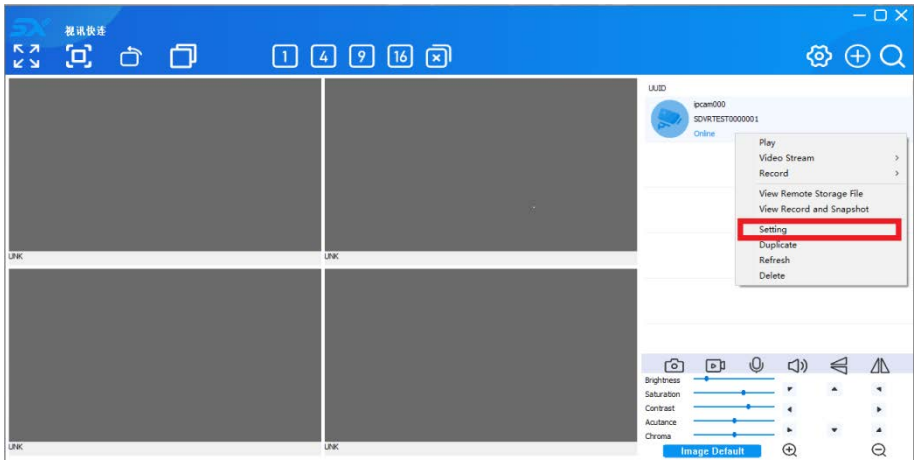
If necessary tap **Format** button to format.

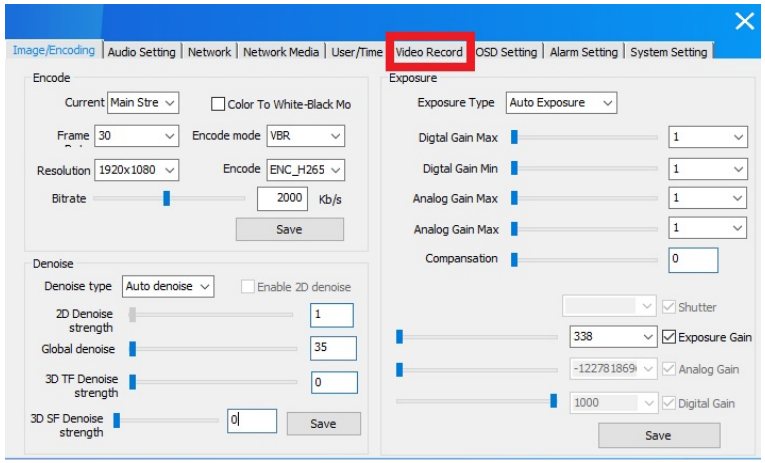


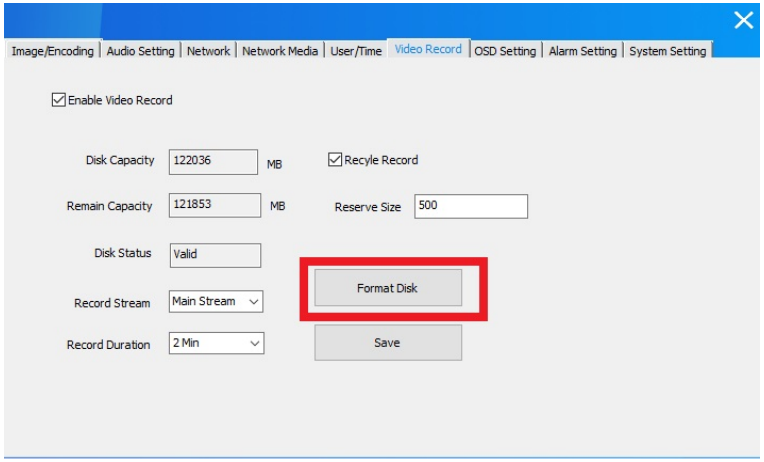
Attention: **All the information will be deleted after format.**

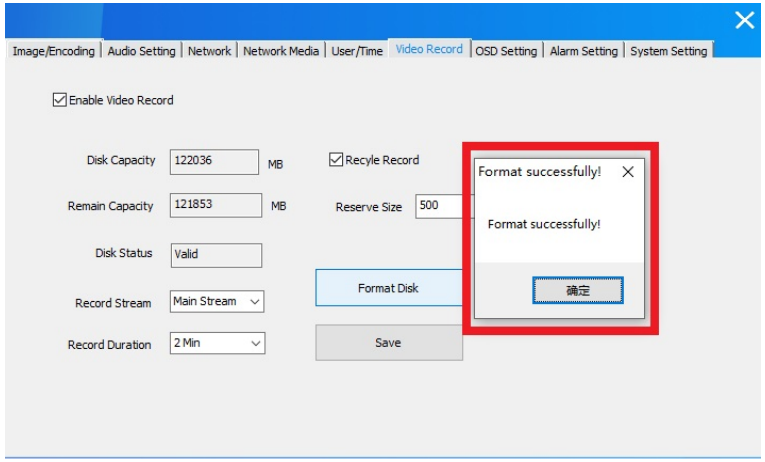
Micro SD card recording storage（PC client）

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.

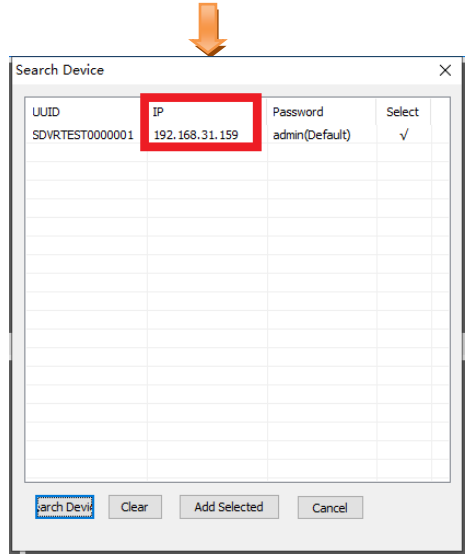
A：This situation is mostly due to NVR not supporting H.265 format, please switch the device to H.264 format.

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.