

# **User Guide**

**Quick start for Simple DVR**

**4G & Wired**

**V 1.0.0**

# All accessories

Simple DVR is a mini recorder which support AHD/TVI/CVI/CVBS analog video signal cameras and make a small monitoring system. 4G and wired mode adaptive; Wired mode standard ONVIF protocol, support RTSP, features a micro SD card slot for storage. Input voltage: DC 5~30V. Size: 68x70x25mm.



# Parameters:

<b>Input System</b>	<b>PAL/NTSC adaptive</b>
<b>Input Signal</b>	<b>AHD/TVI/CVI/CVBS adaptive</b>
<b>Pixel Max</b>	<b>2MP (1080P@30fps)</b>
<b>Encoding Format</b>	<b>H.264/H.265 (default)</b>
<b>4G Brand</b>	<b>EGSM900,DCS1800,LTE-FDD B1、 B3、 B5、 B7、 B8、 B20.</b>
<b>Network Interface</b>	<b>RJ45 10M/100M adaptive</b>
<b>Default IP</b>	<b>Automatic</b>
<b>User Name</b>	<b>admin</b>
<b>Password</b>	<b>admin</b>
<b>ONVIF</b>	<b>Standard, Port number: 8999</b>
<b>RTSP</b>	<b>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 DVR 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.</b>
<b>Power Supply</b>	<b>DC 5~30V</b>
<b>Power Consumption</b>	<b>4W</b>
<b>Storage</b>	<b>512GB(Max)</b>

# How to connect



- 1、 Power supply DC 5~30V. 5V2A or 12V1A  
Power supply recommended.



- 2、 Camera video in.
- 3、 MicroSD card slot.
- 4、 SIM card slot.
- 5、 Wi-Fi, Power, Record indicator.
- 6、 Network cable, Connect to Router、 Switch、  
NVR、 Computer etc.
- 7、 Reset button.
- 8、 4G antenna.

# 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

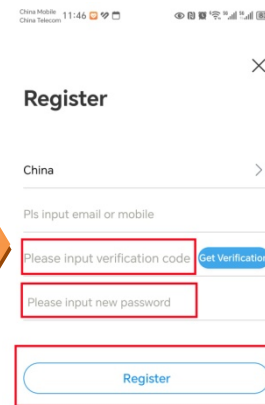
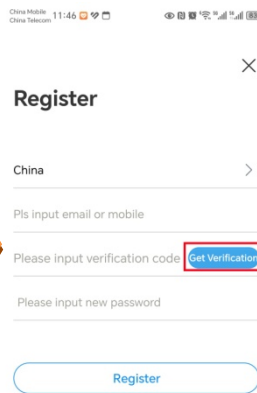
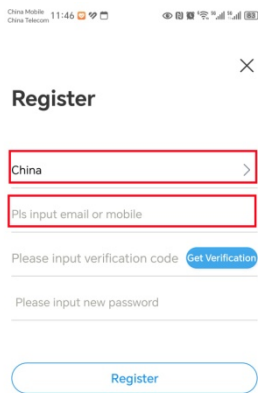
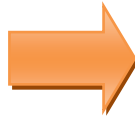
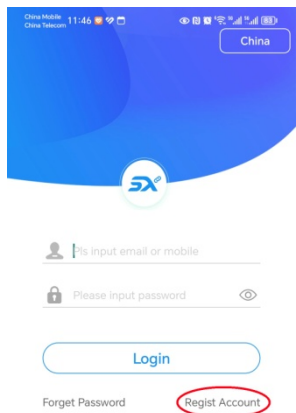
## ■ If you DO NOT have a registered account

**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.)

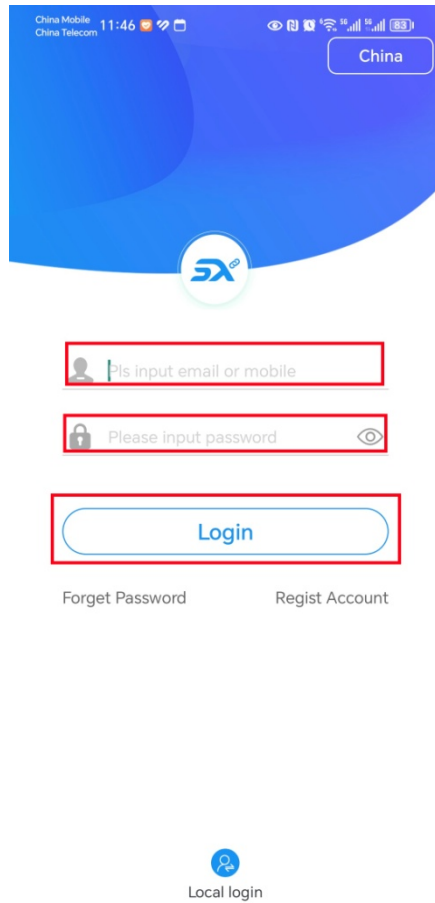
**Step 4** Enter the **Verification Code**. Set the login password, and tap **REGISTER**.



## ■ If you already have a registered account

**Step 1** Open the App.

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



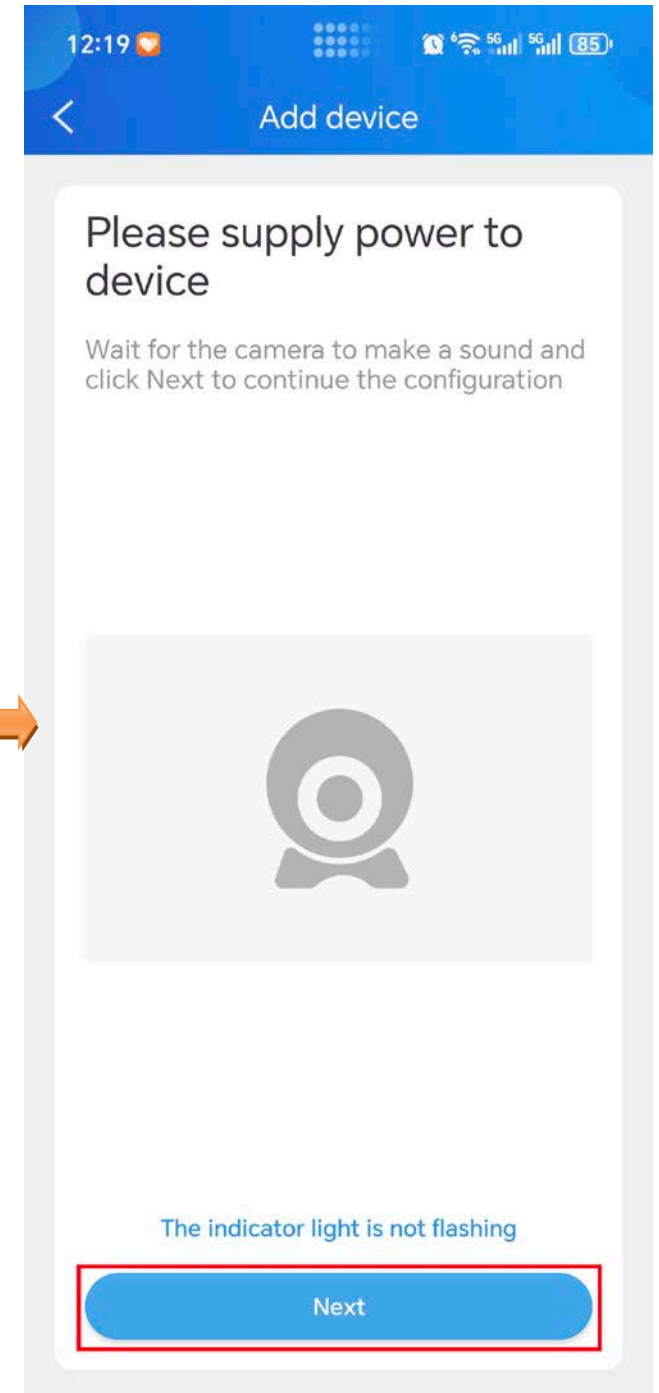
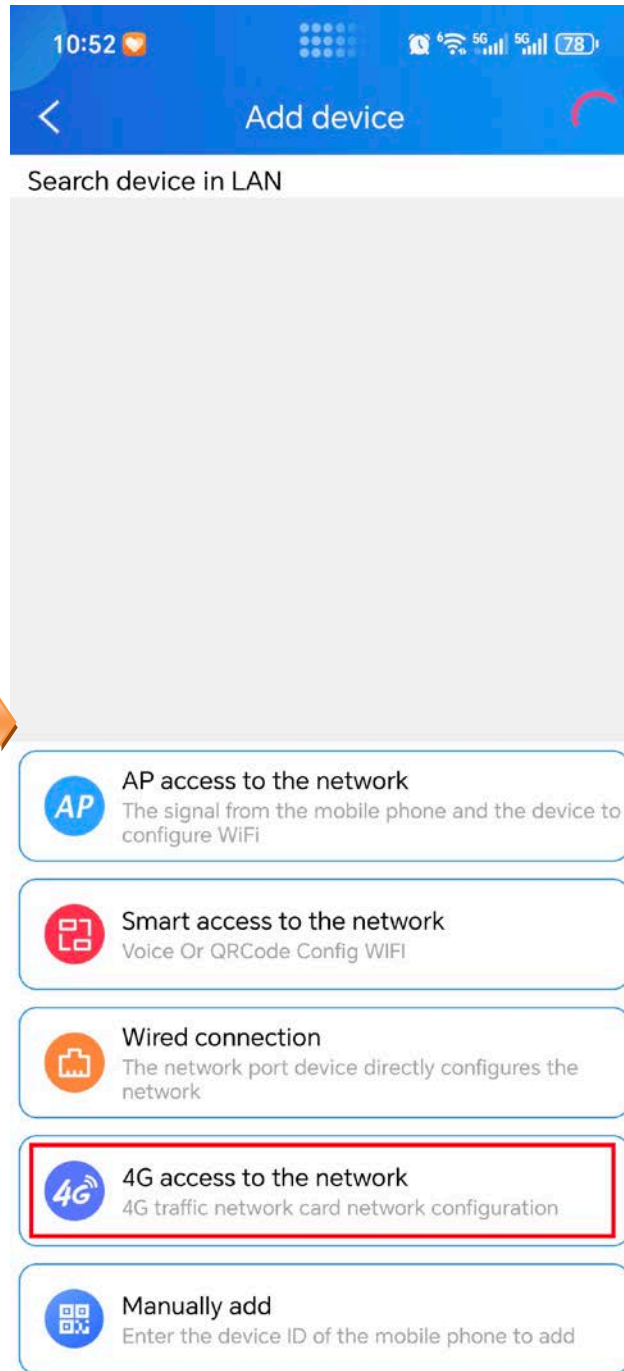
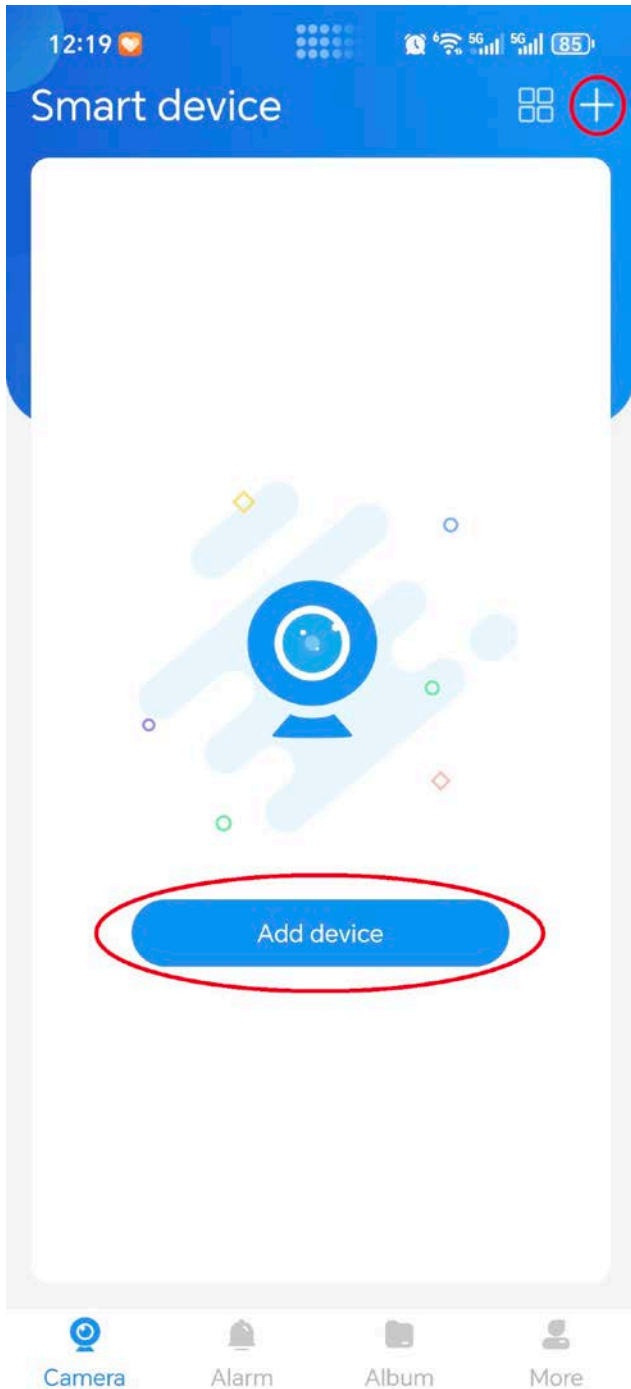
# Add the device to App use 4G mode

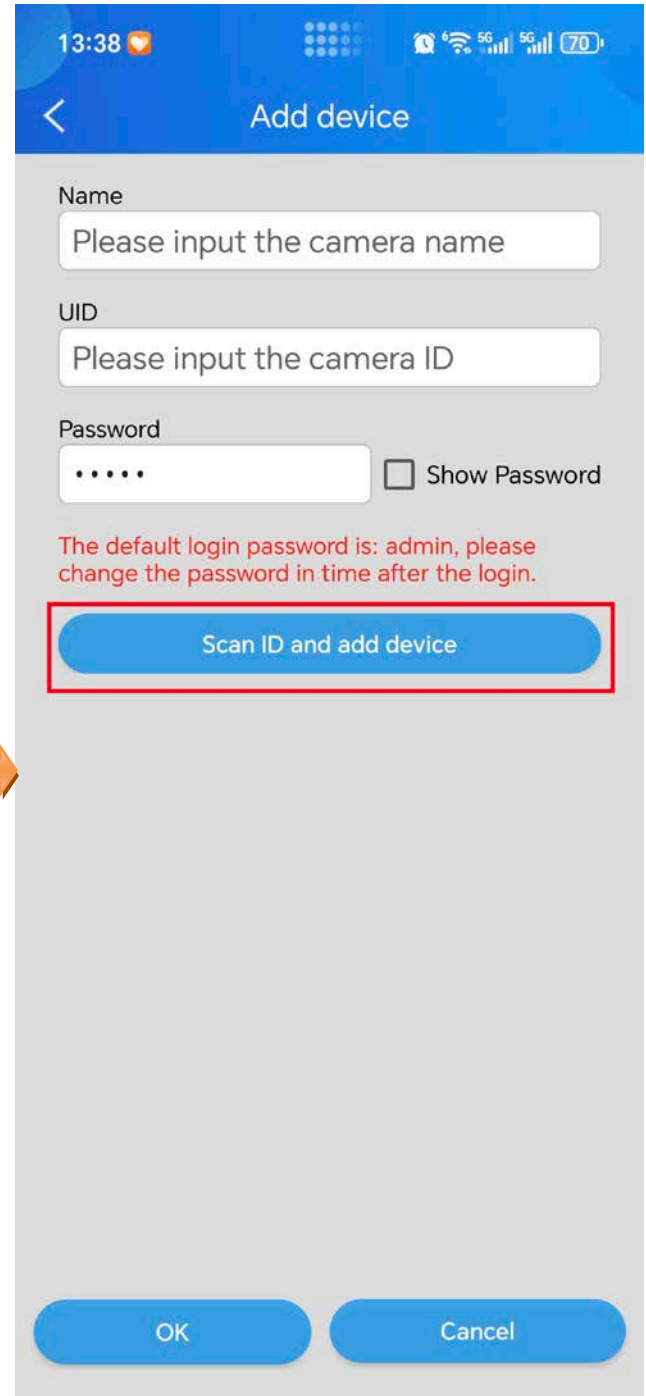
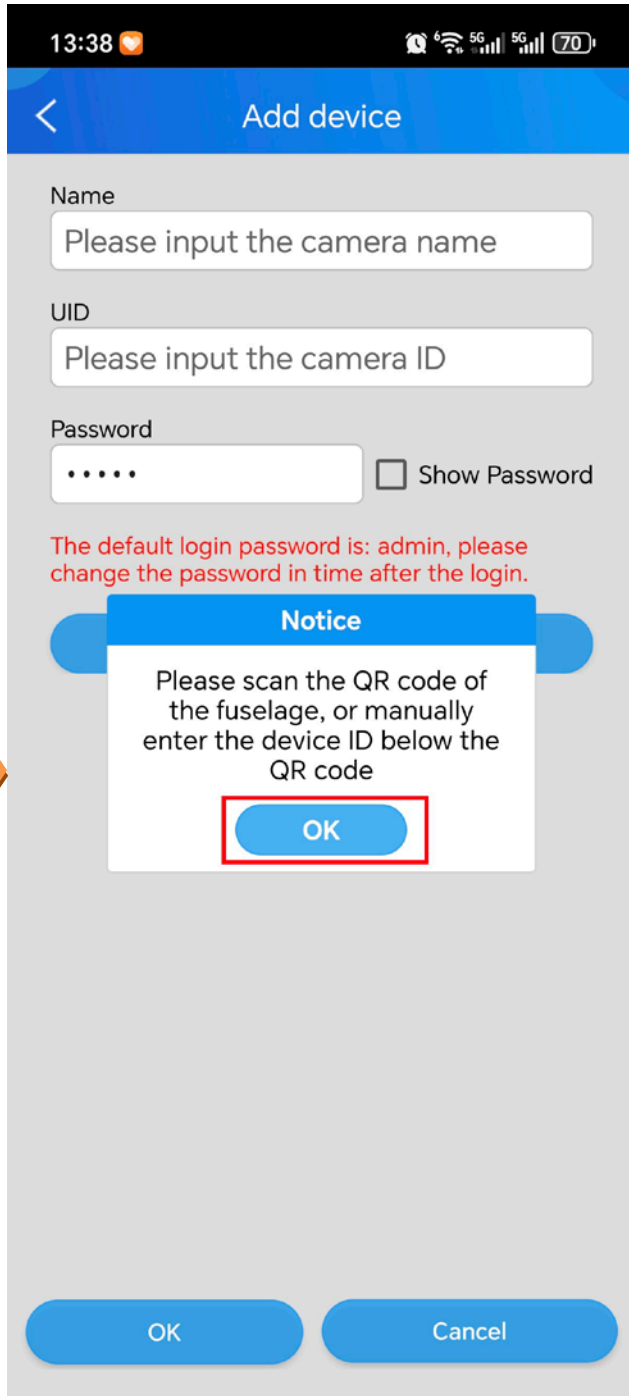
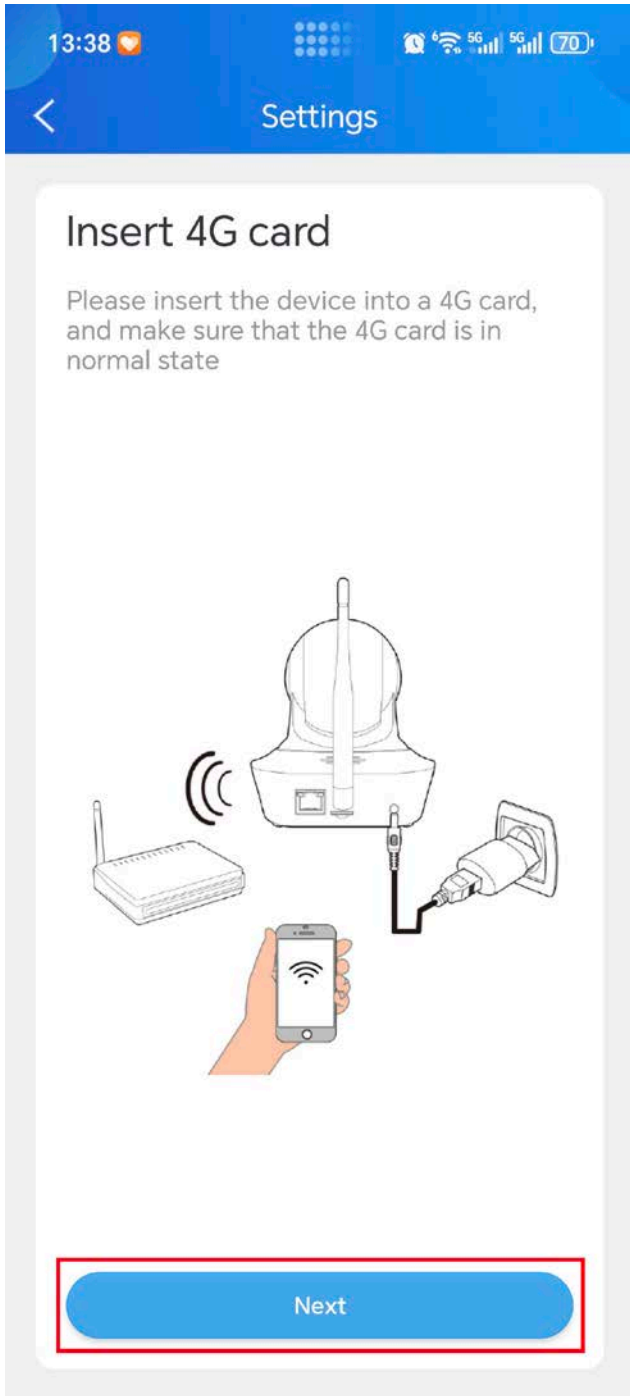
**Step 1** Insert 4G SIM Card. Power on the device.

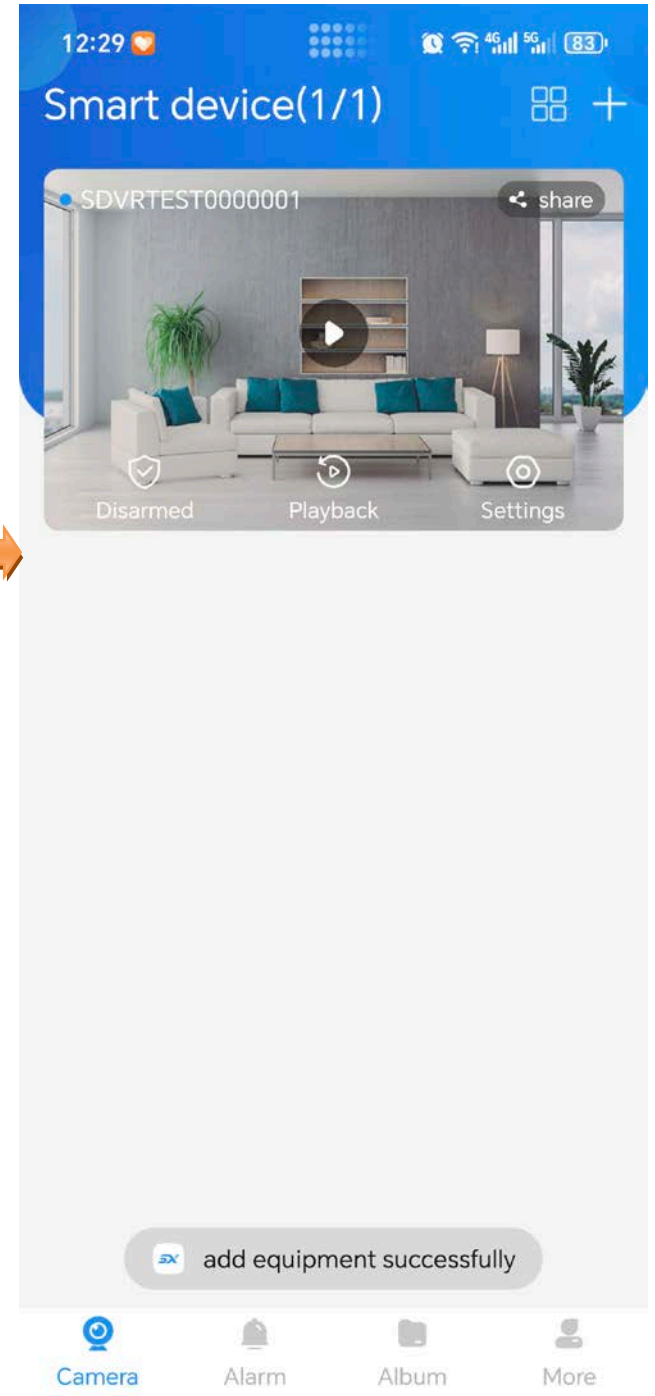
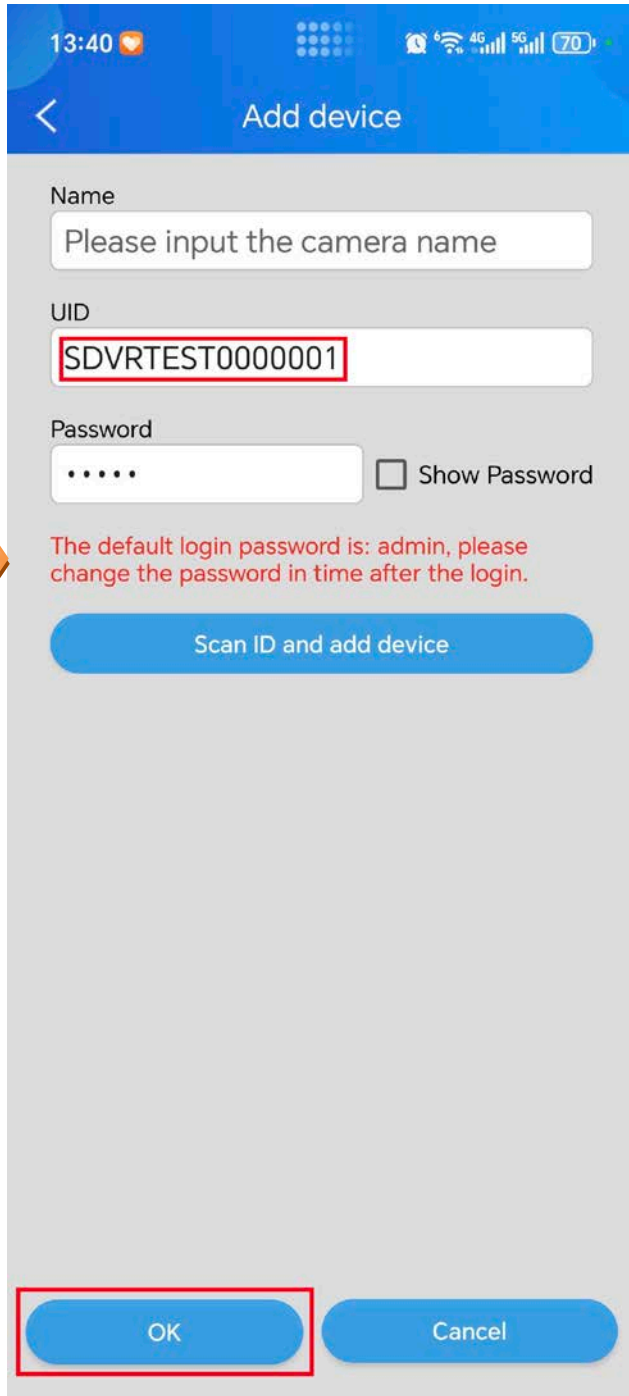
**Step 2** Login app \dd the 4G device to App.

- 1 At the App home page, tap **Add device** or **+**.
- 2 Tap **4G access to the network**.
- 3 Make sure the device power on and tap **Next**.
- 4 Tap **Next**.
- 5 Tap **OK**.
- 6 Tap **Scan ID and add device**.
- 7 Scan the QR code on the device or you can type in the UID.
- 8 Check the UID and tap **OK**.
- 9 Add equipment successfully.

**Tips:** If you could not see the video, Please check the balance in your 4G SIM Card.

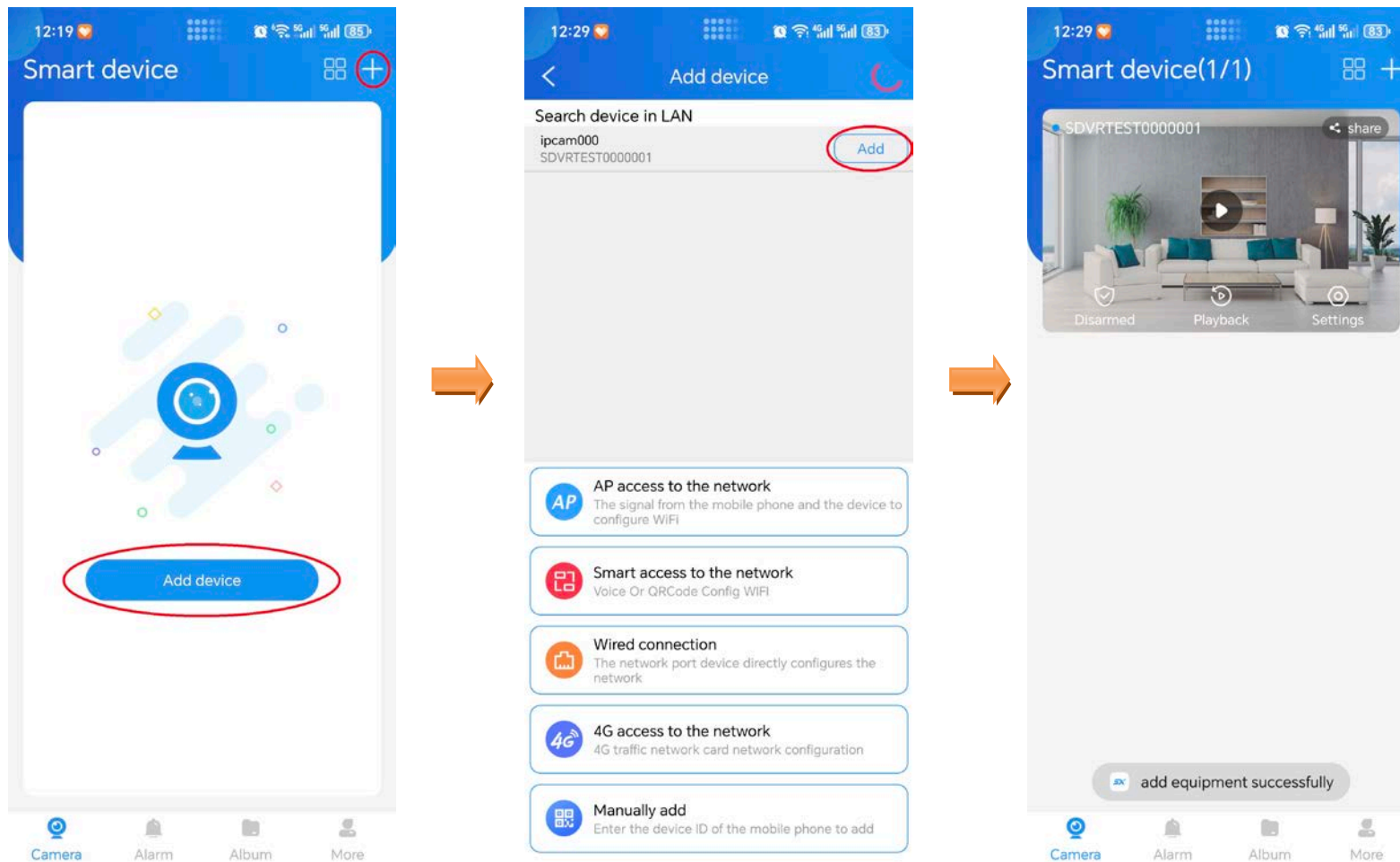







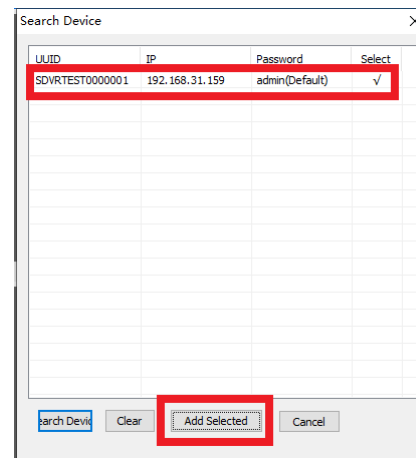
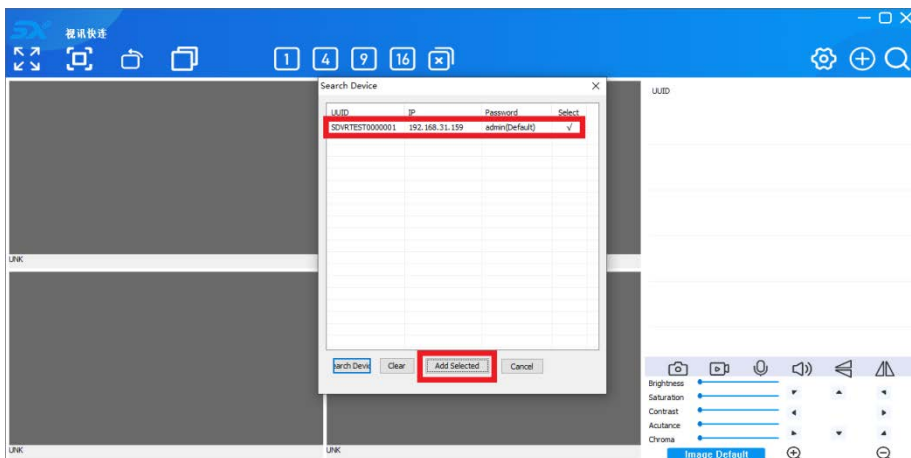
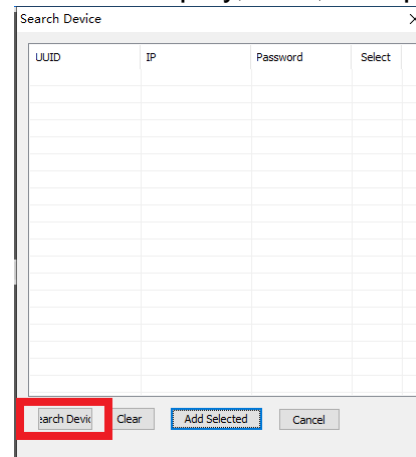
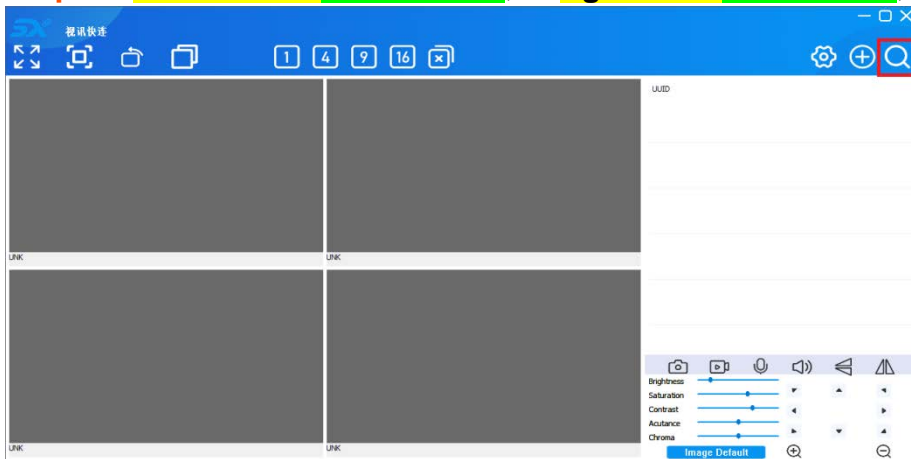
# Add device to APP use Wired mode

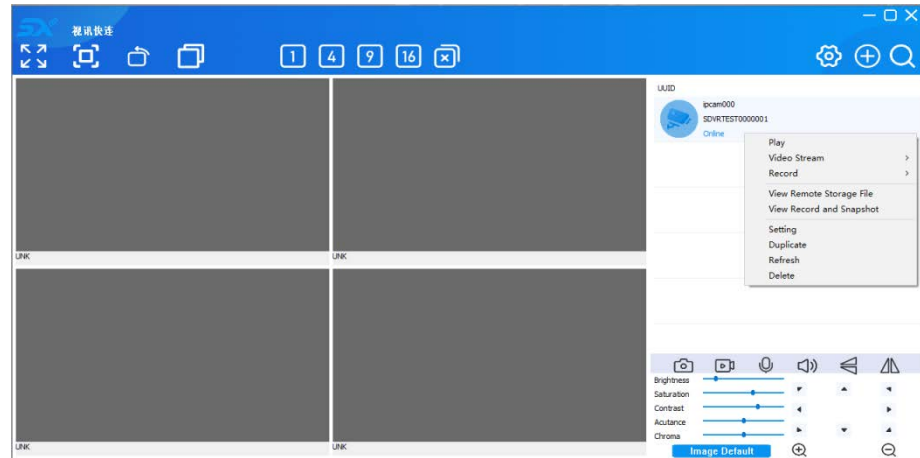
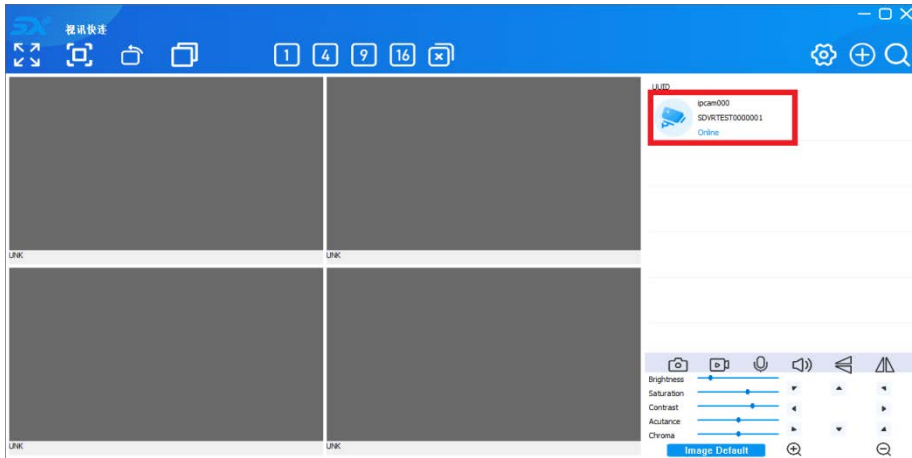
- Setp1** Connect the device with router or switch or NVR through network cable, power on the device, and confirm that the phone and device are **in the same LAN**.
- Setp2** Open APP home page, tap **Add device** or **+**.
- Setp3** The APP will find the device then tap **Add**, Wait a moment, the device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



# Add device to PC client use Wired mode

- Setp1** Connect the device with router or switch or NVR through network cable, power on the device, and confirm that the computer and device are **in the same LAN**.
- Setp2** Open SX-LINK, click , click **Search Device**, The client will search for the device, and the UUID, 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.





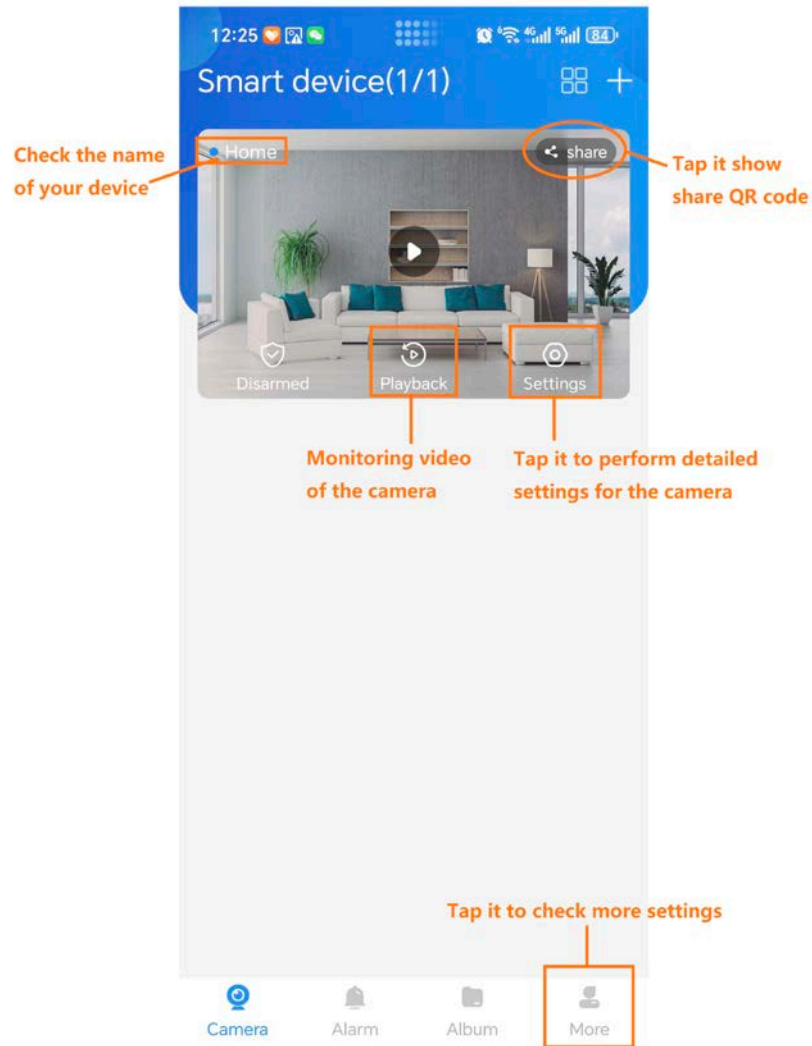
## Q & A:

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.**

# Home page

After logging in to App, the default page is **Home** page. You can preview all devices under this account, or add a device, etc.



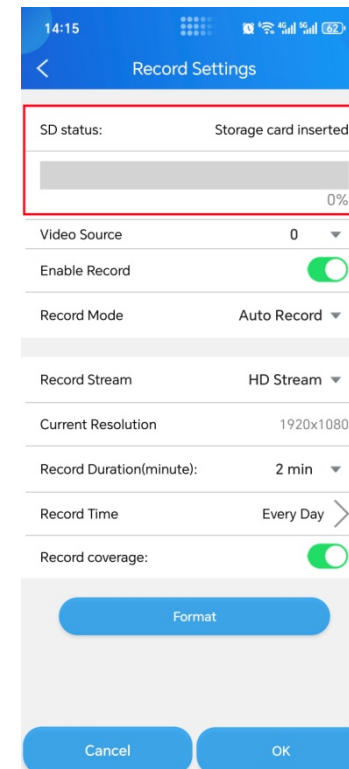
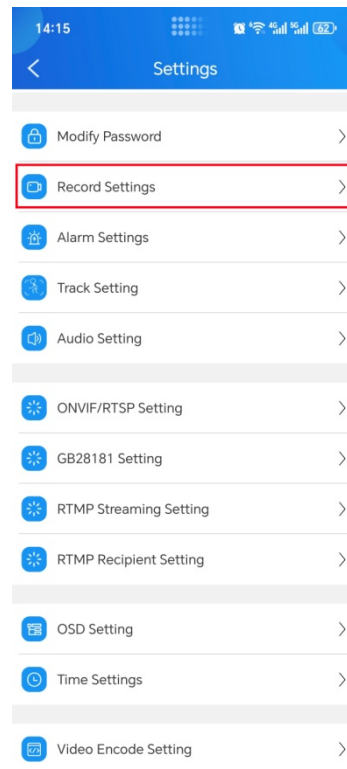
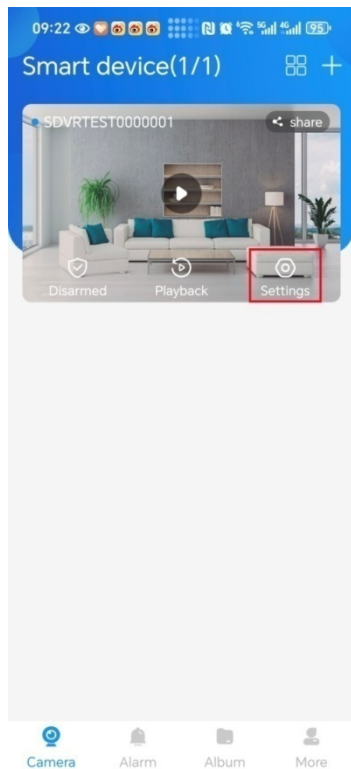
# Micro SD card recording storage (APP)

## Use Micro SD card for the first time

Device 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.**

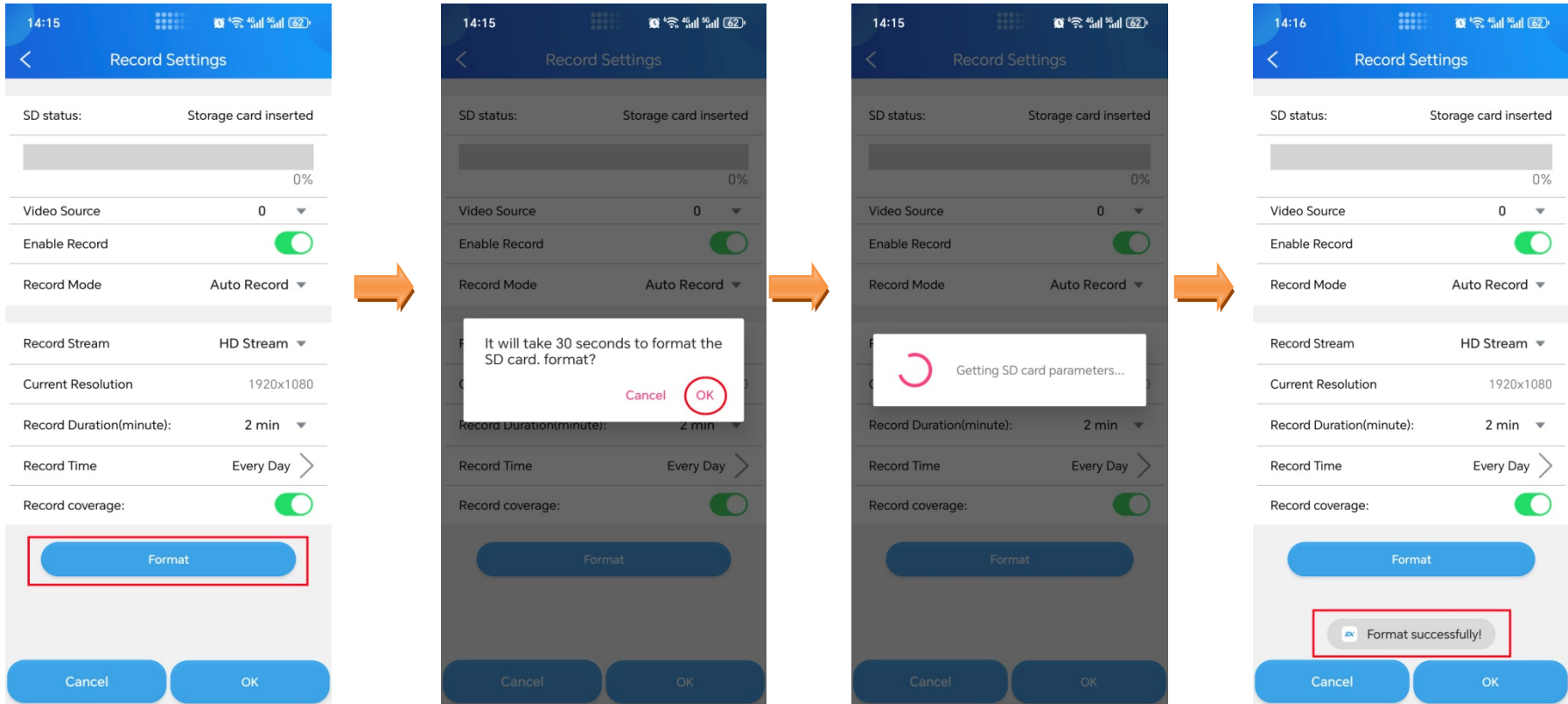
**Step 1** Log in to App to check whether the Micro SD card can be identified normally.

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.

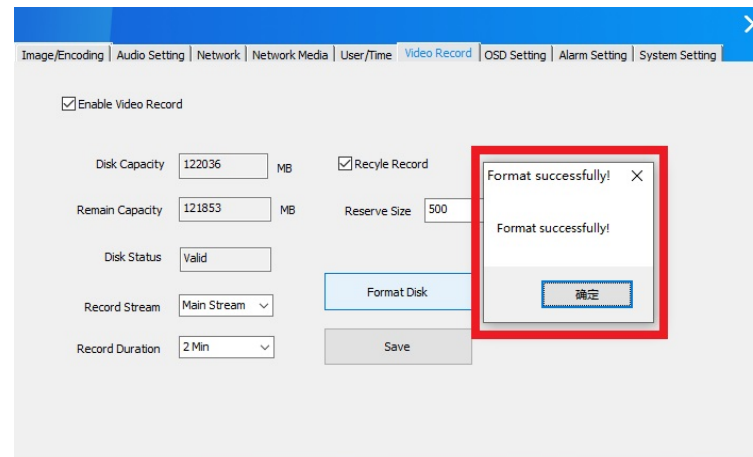
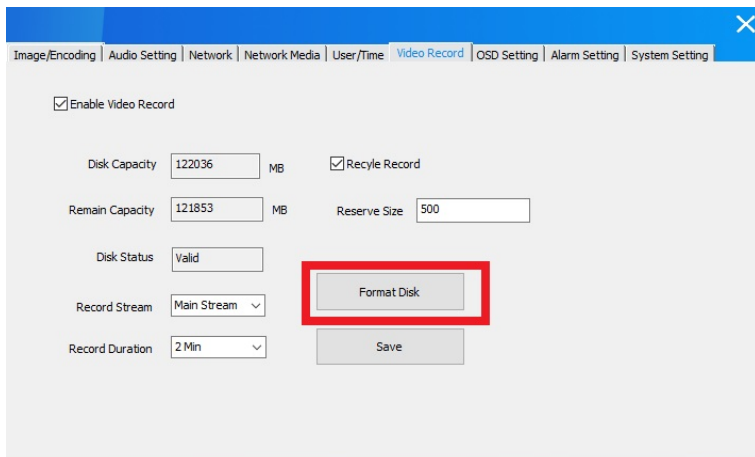
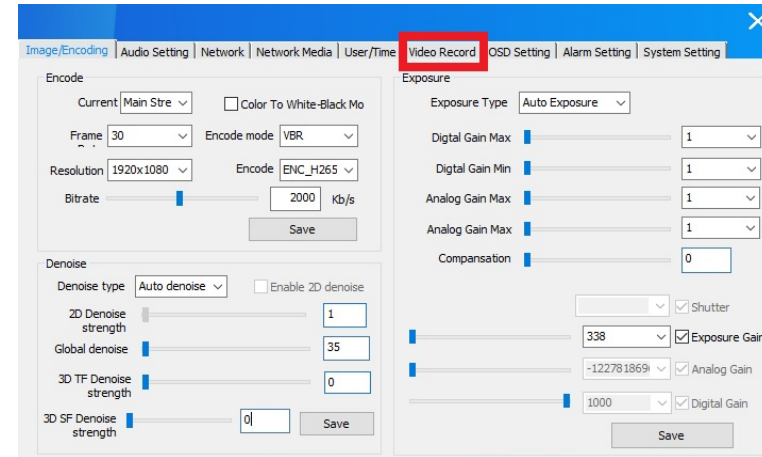
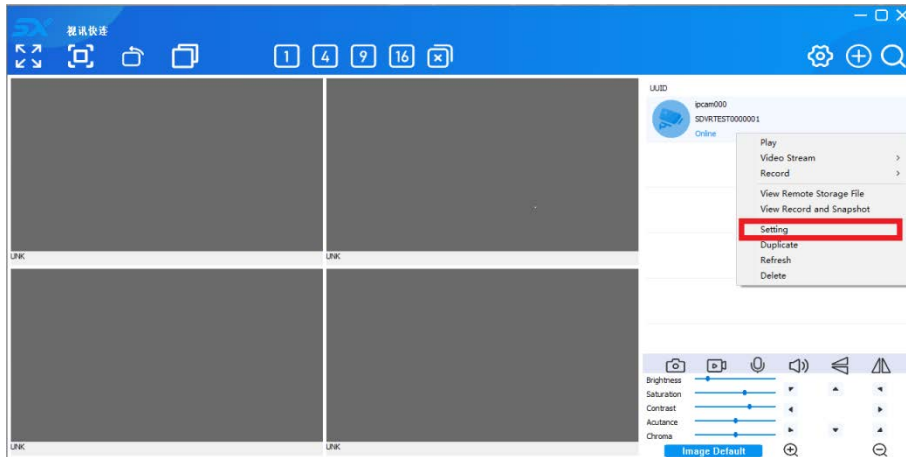
If necessary tap **Format** button to format.



**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**.

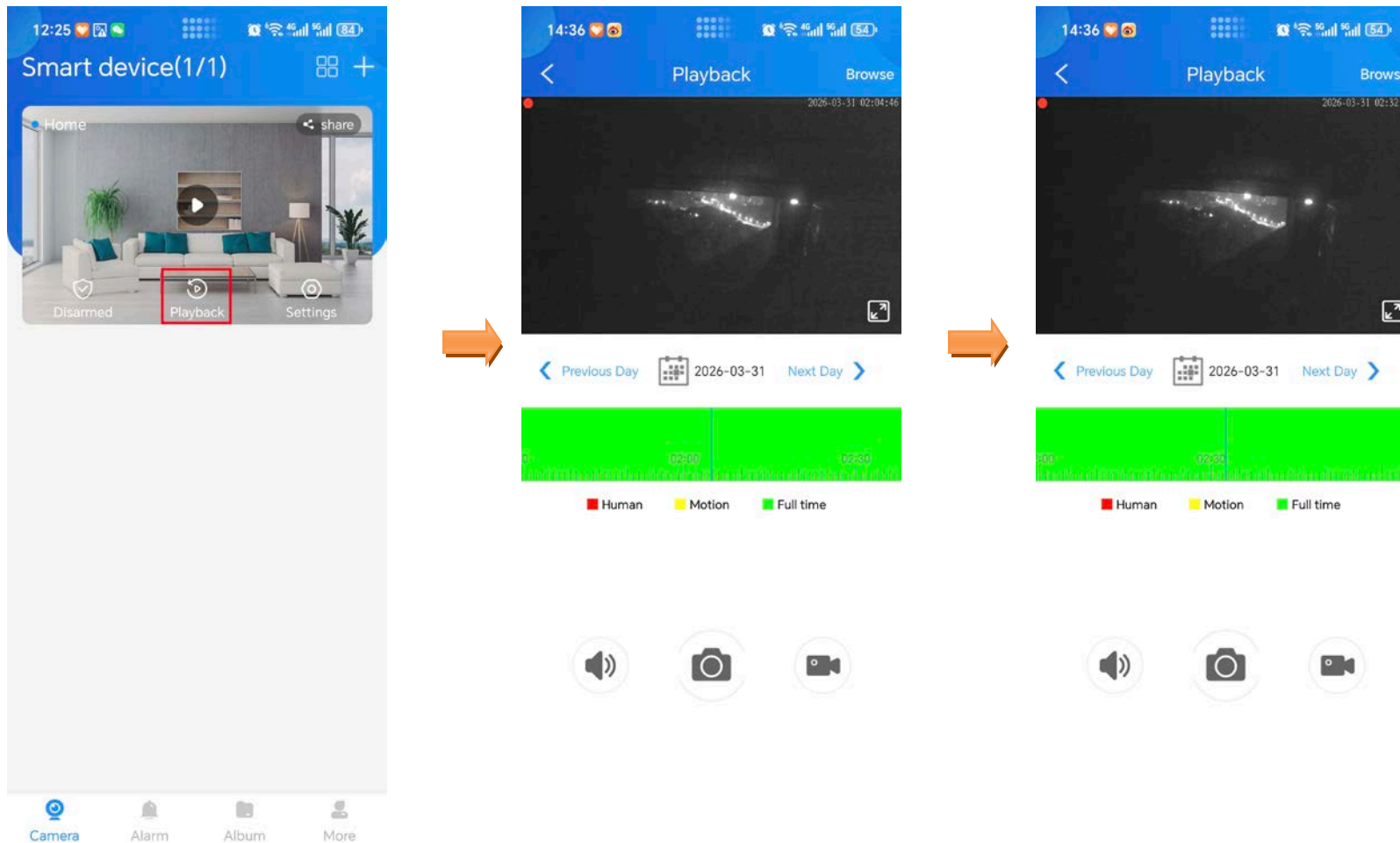


**Attention:** All the information will be deleted after format.

# View videos on the smartphone

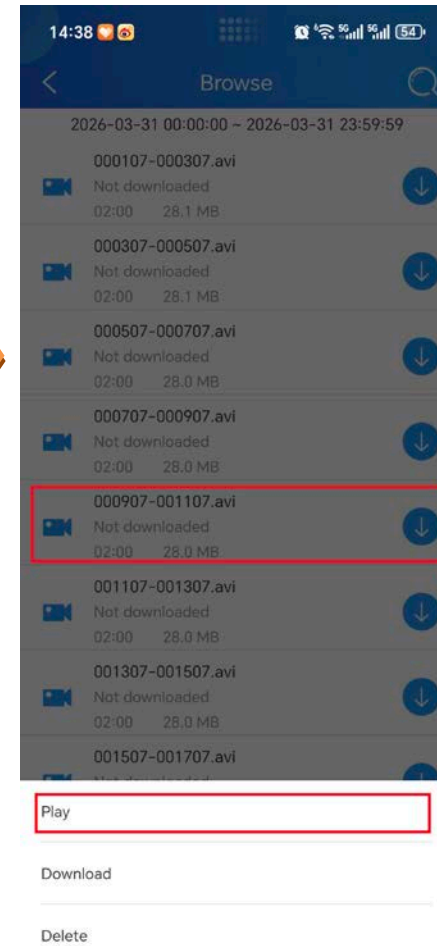
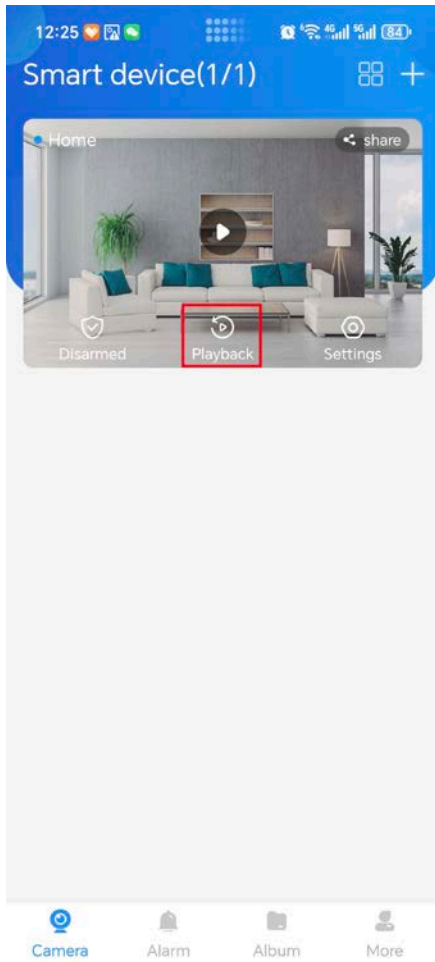
## Method 1

Log in to App, Tap the camera **Playback** which you want to view on the homepage > Drag time pointer.



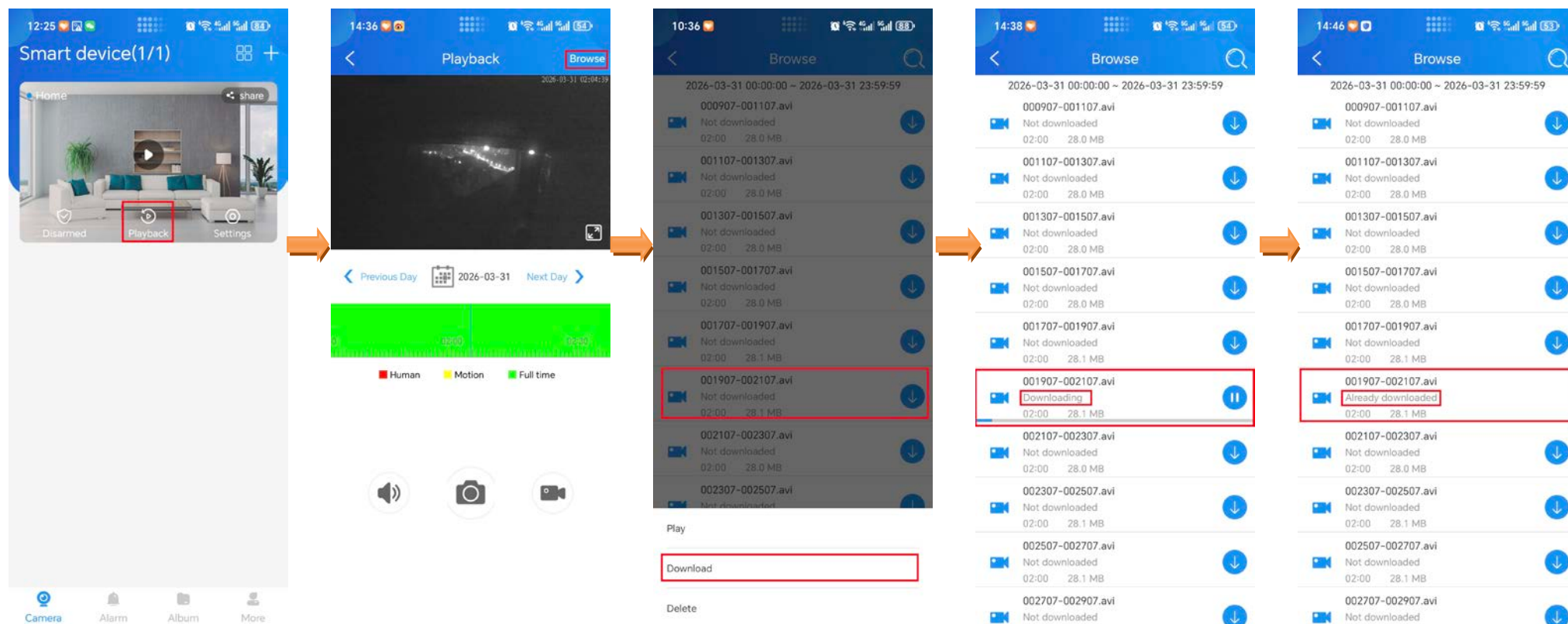
# Method 2

Log in to App, Tap the camera **Playback** which you want to view on the homepage > **Browse** > choose the videos you need > **Play**.



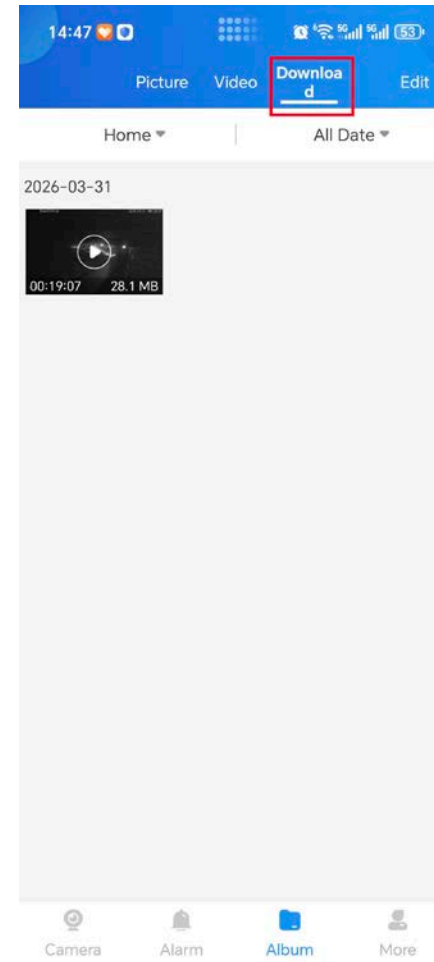
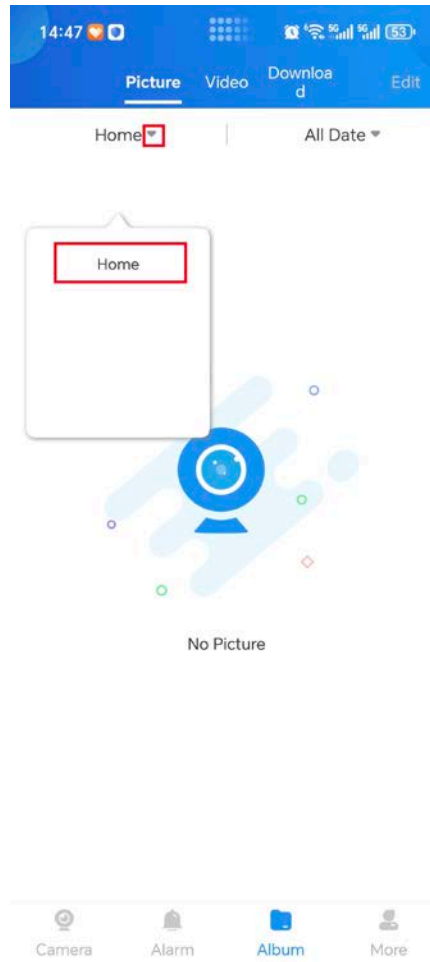
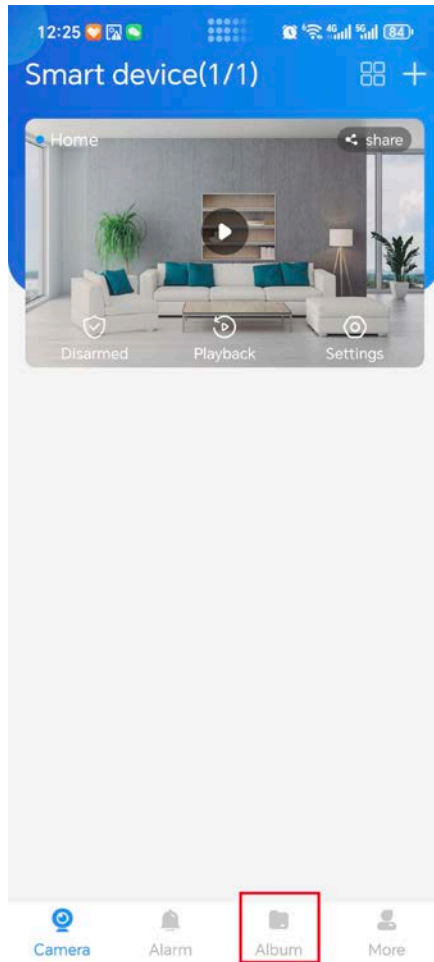
# Download videos to the smartphone

Log in to App, Tap the camera **Playback** which you want on the homepage > **Browse** > choose the videos you need > **Download File**. Wait Download completed.



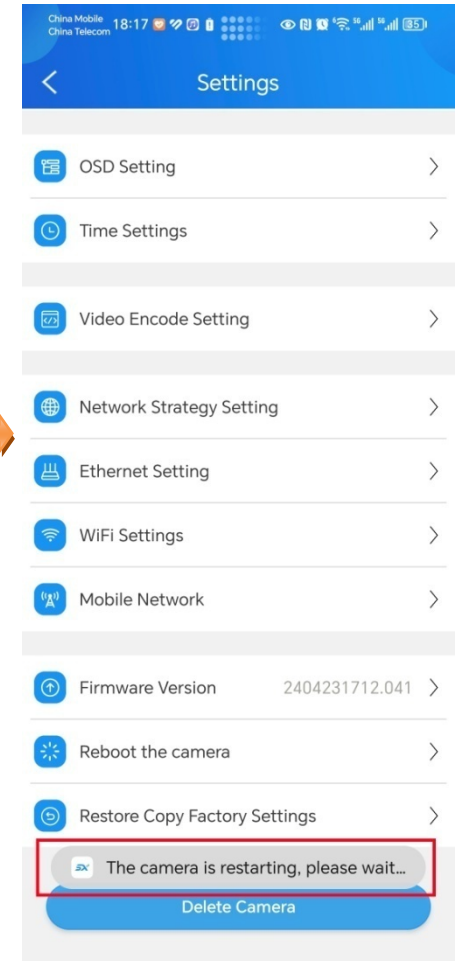
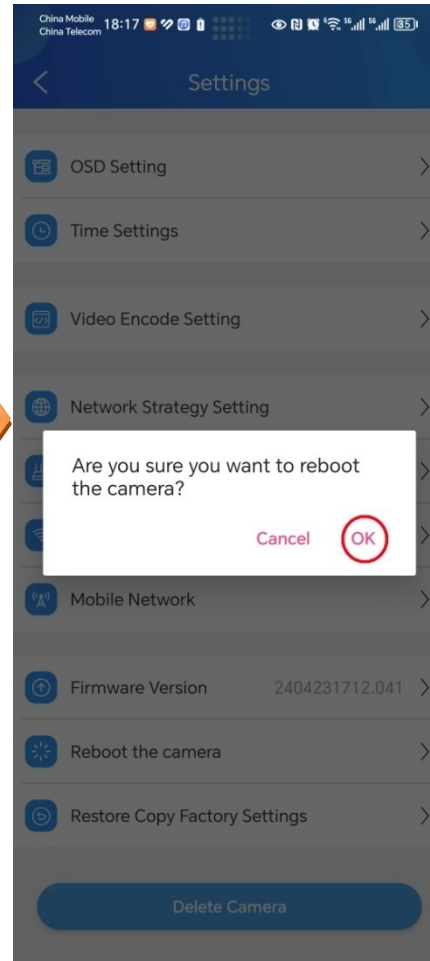
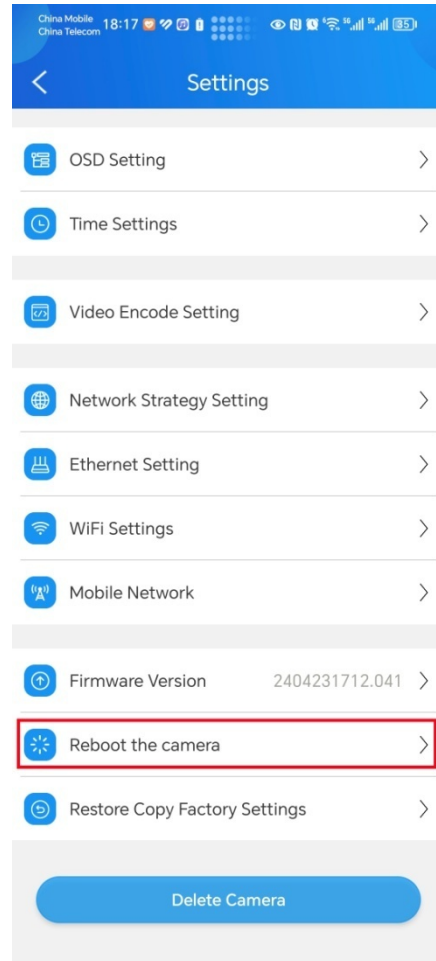
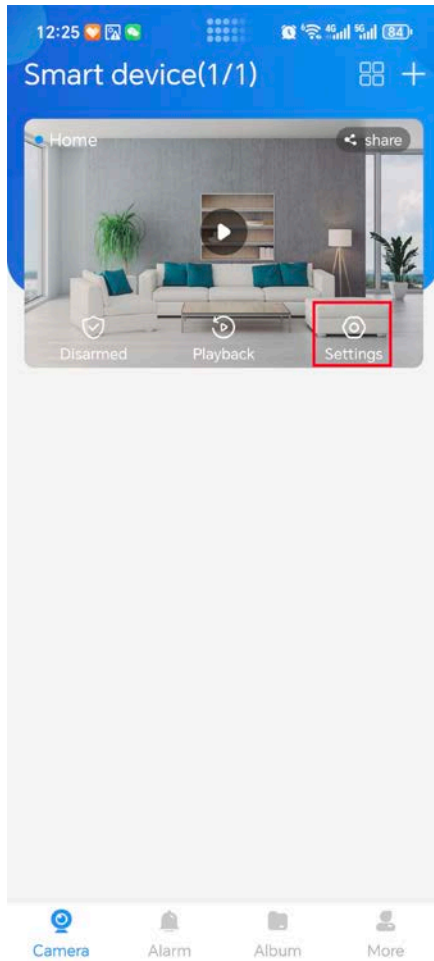
# View the download videos

Log in to App, Tap **Album** > tap ▾ and choose the camera > tap **Download**.



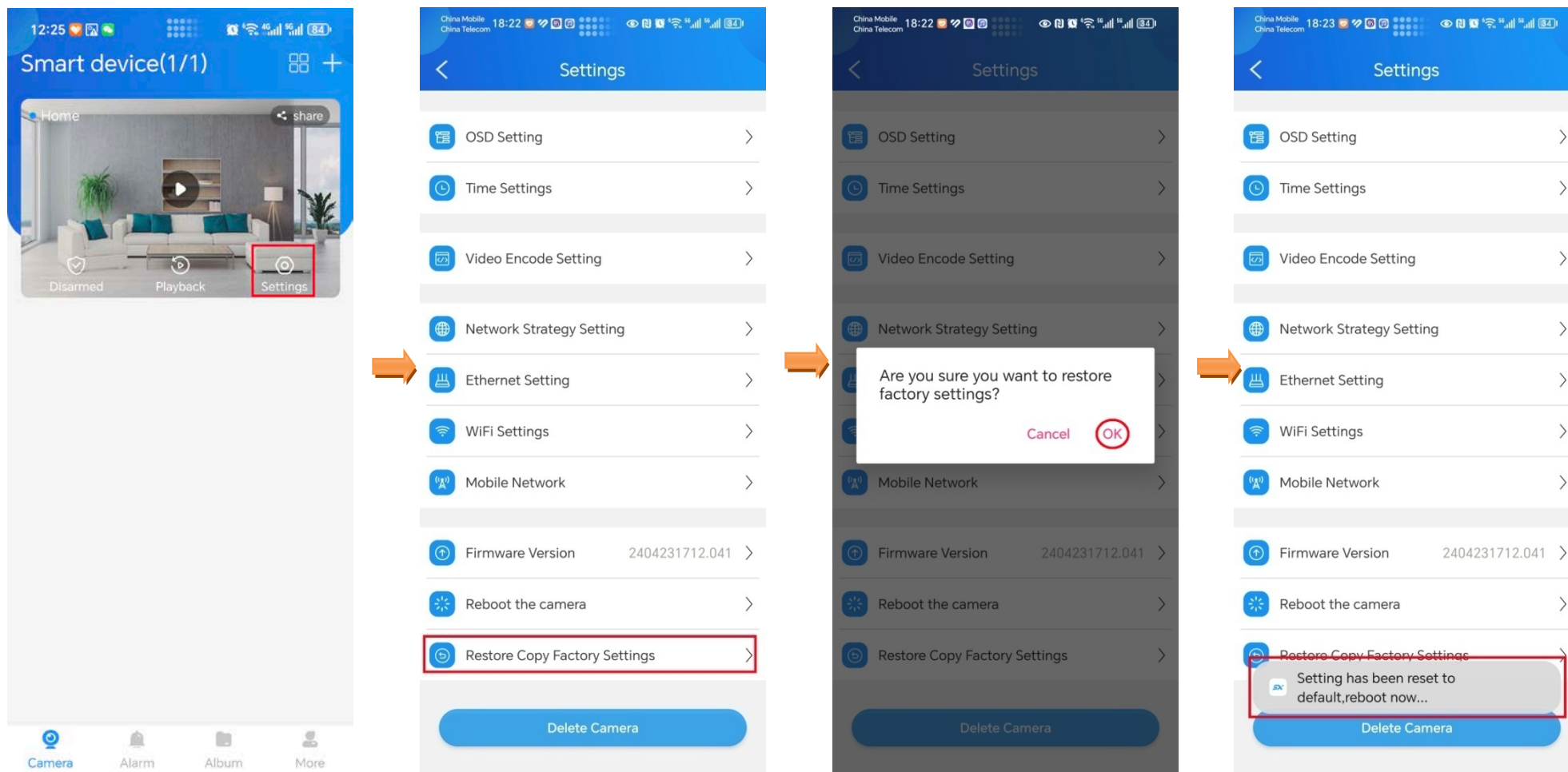
# Reboot the camera

Log in to App, Tap the camera **Settings** which you want reboot on the homepage > **Reboot the camera** > tap **OK**. Wait the camera reboot.



# Restore factory settings

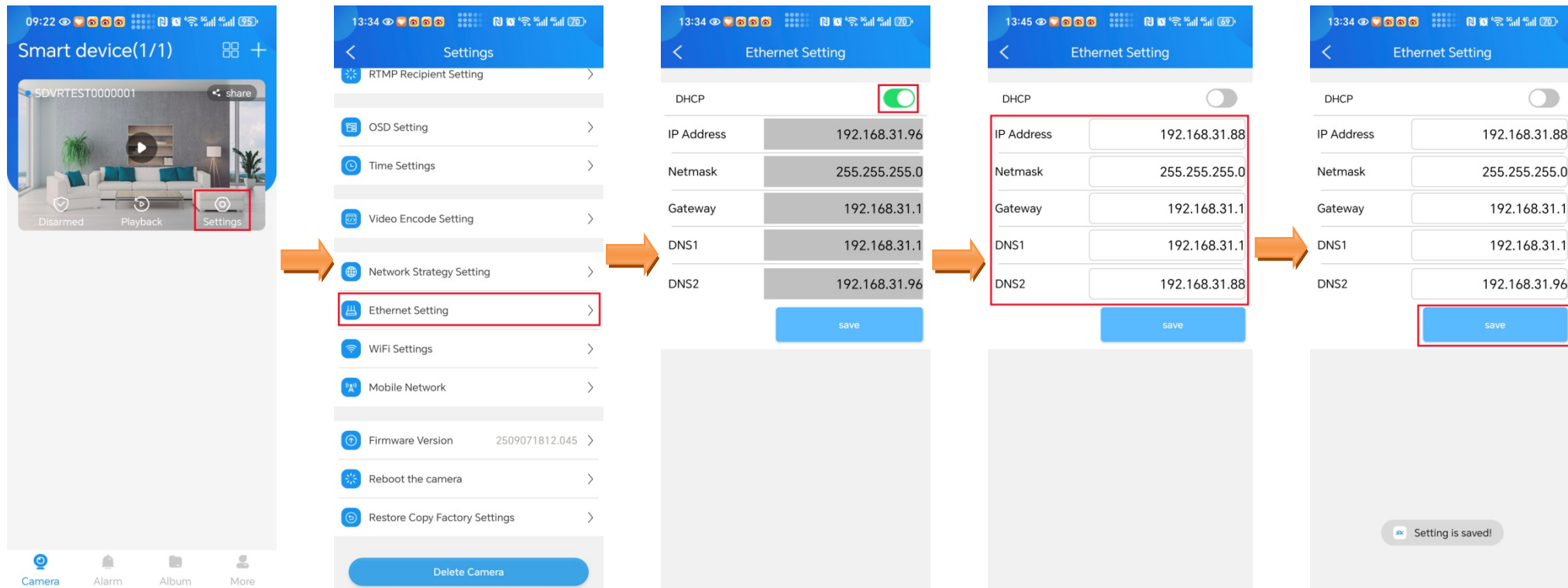
Log in to App, Tap the camera **Settings** which you want restore on the homepage > **Restore Copy Factory Settings** > tap **OK**. Wait the camera reset to default.



**Attention:** All the binding to the Wi-Fi routers will be deleted after restore.

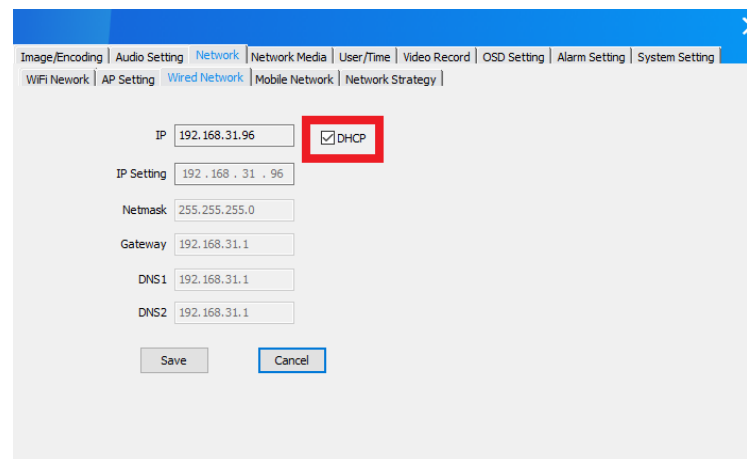
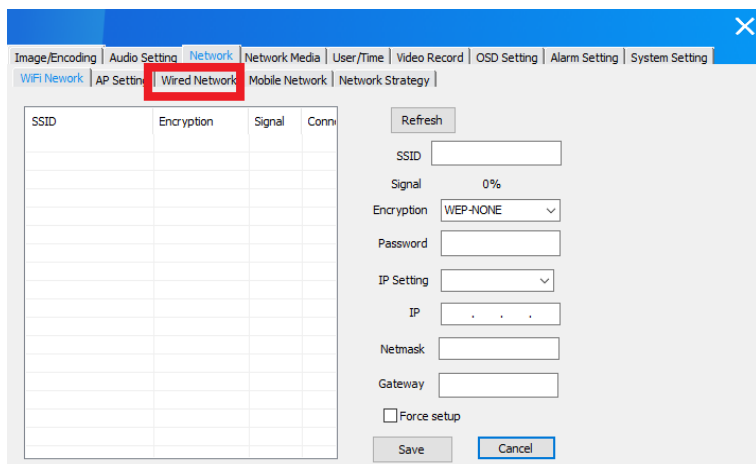
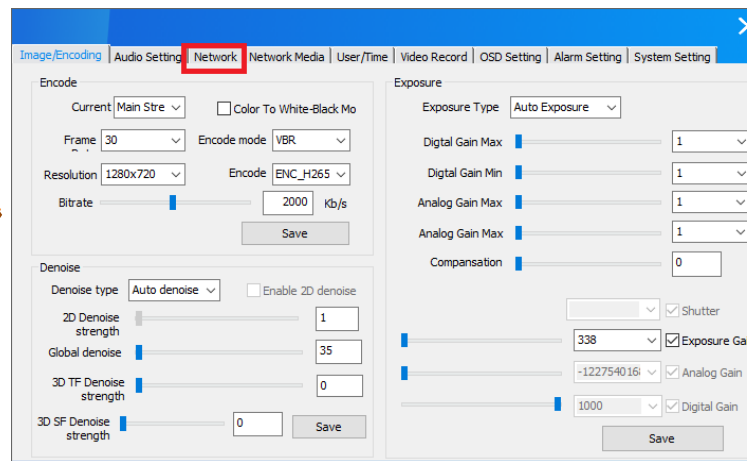
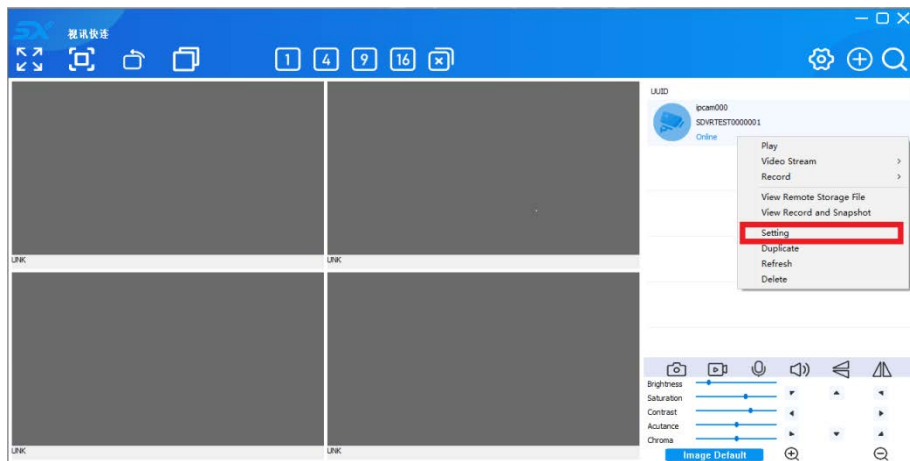
# IP Setting (APP) use Wired mode

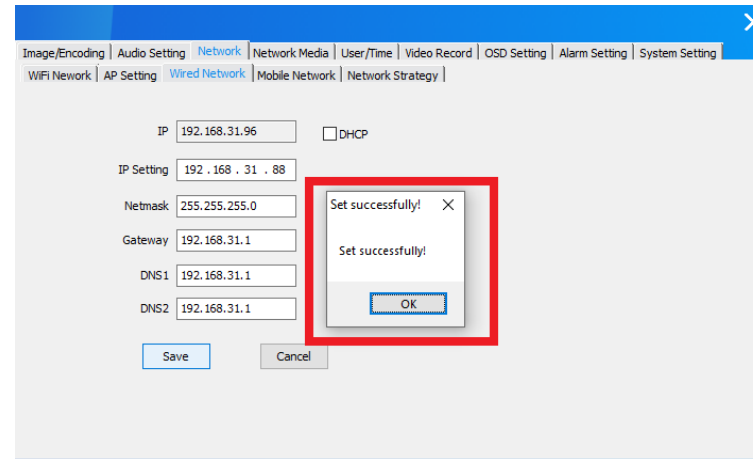
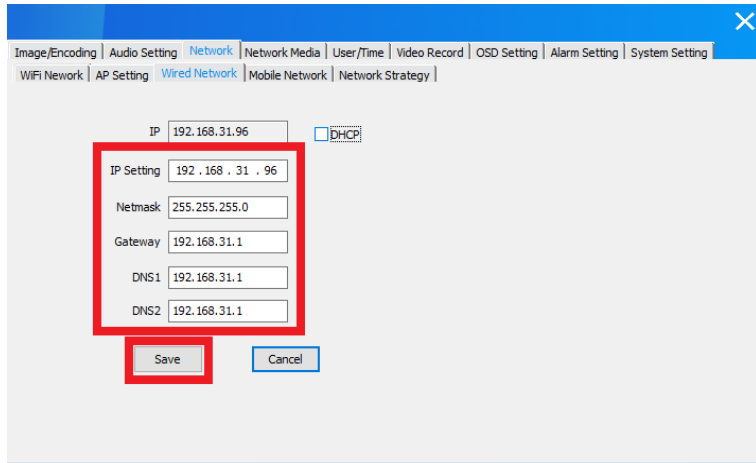
The factory setting of device is obtain an IP address automatically. If a fixed IP address is required, it can be modified through the APP/software. Open APP, find the device you want to set up, **Settings** > **Ethernet Setting** > **Click the switch**, it will change from **green to grey** > **Fill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



# IP Setting (PC client) use Wired mode

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.**





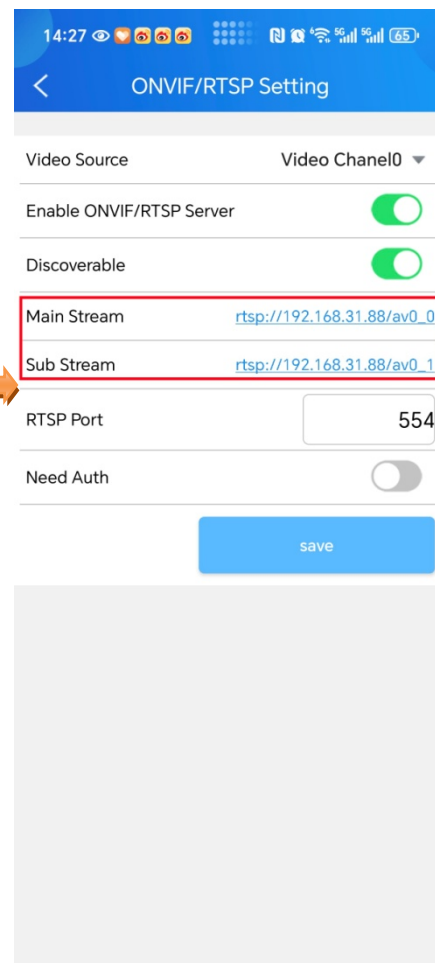
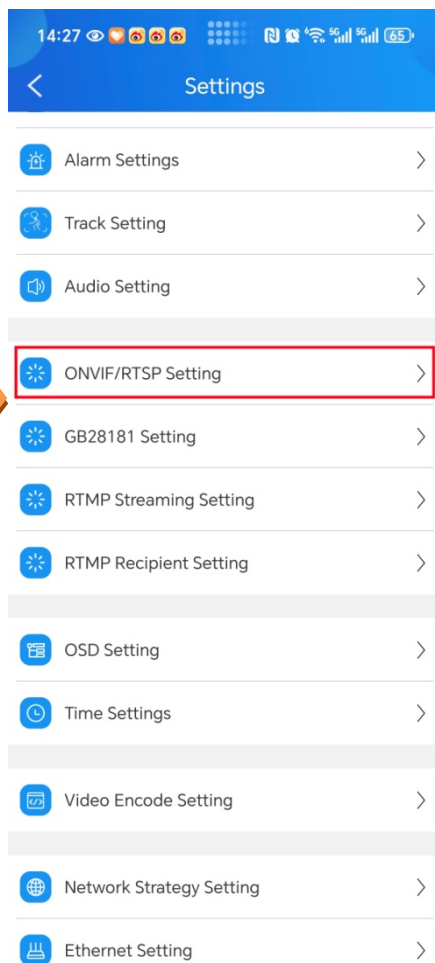
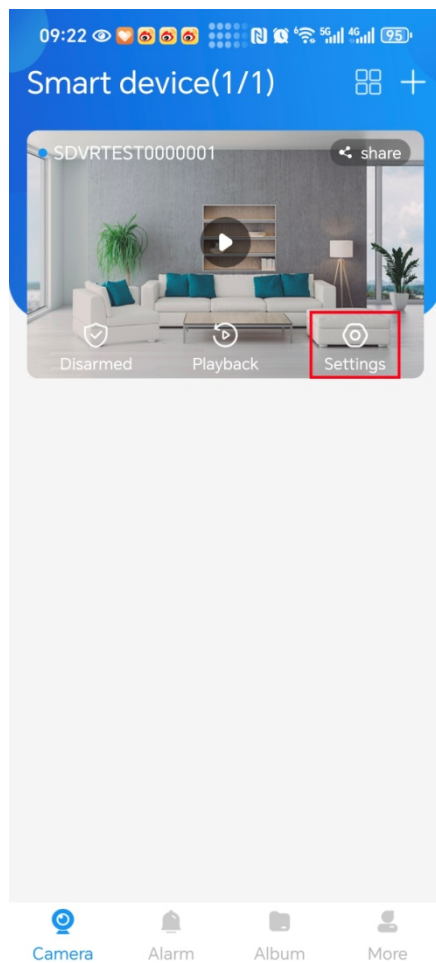
## Q & A:

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)

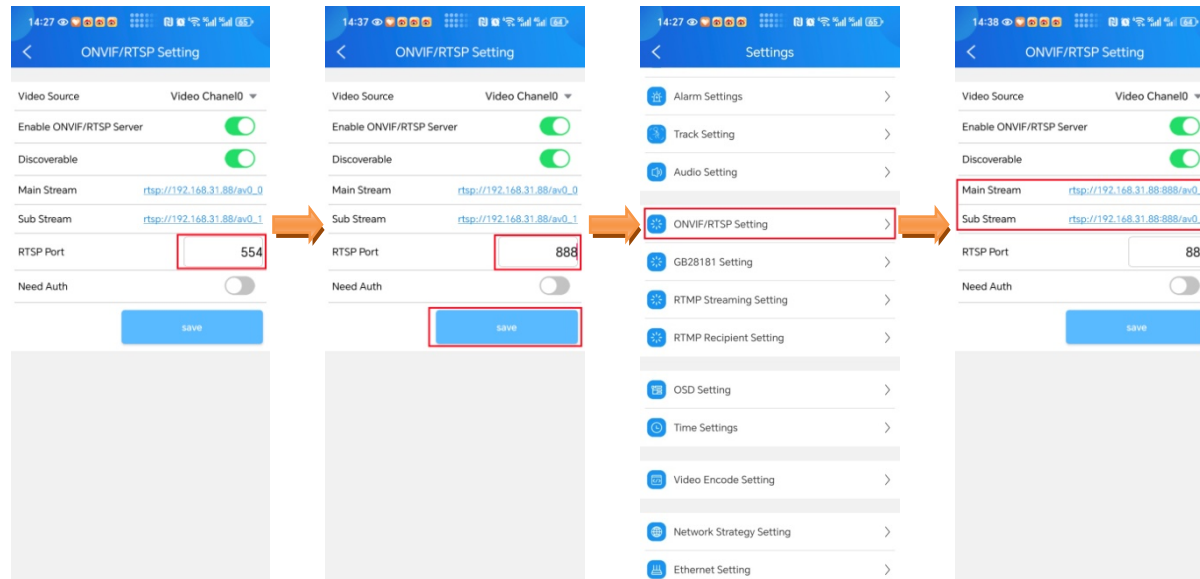
Open APP, find the device you want to set up, **Settings** > **ONVIF/RTSP Setting** > **Obtain RTSP address**.



Main Stream	<a href="rtsp://192.168.31.88/av0_0">rtsp://192.168.31.88/av0_0</a>
Sub Stream	<a href="rtsp://192.168.31.88/av0_1">rtsp://192.168.31.88/av0_1</a>

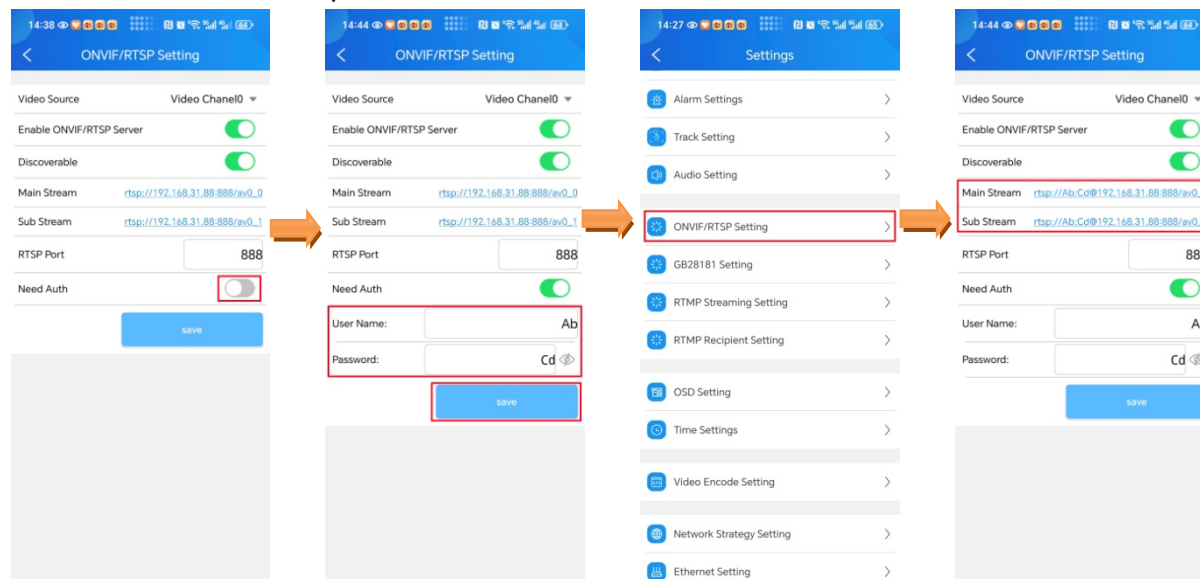
Users can modify the port number, add username and password as needed. Attention: After modification, the addresses of the main stream and sub stream will be changed. Please get it again.

### 1、Modify port number:



Main Stream	<a href="rtsp://192.168.31.88:888/av0_0">rtsp://192.168.31.88:888/av0_0</a>
Sub Stream	<a href="rtsp://192.168.31.88:888/av0_1">rtsp://192.168.31.88:888/av0_1</a>

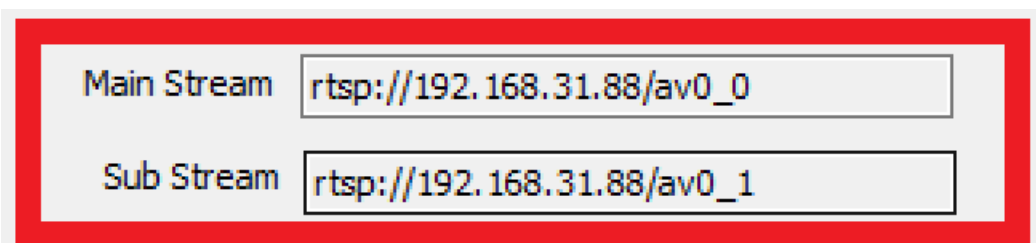
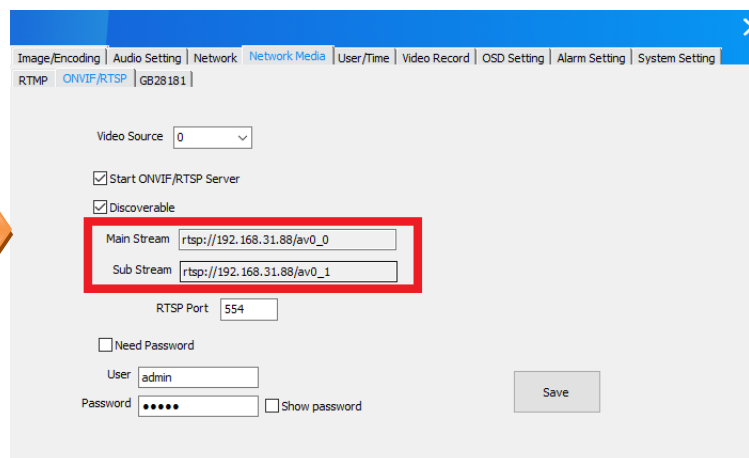
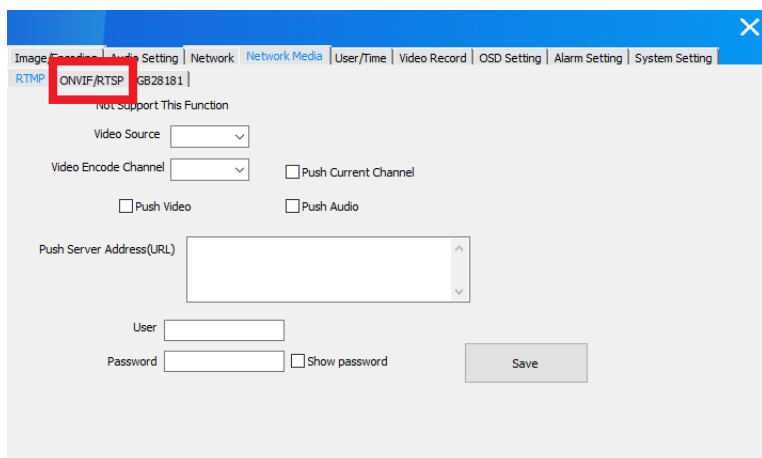
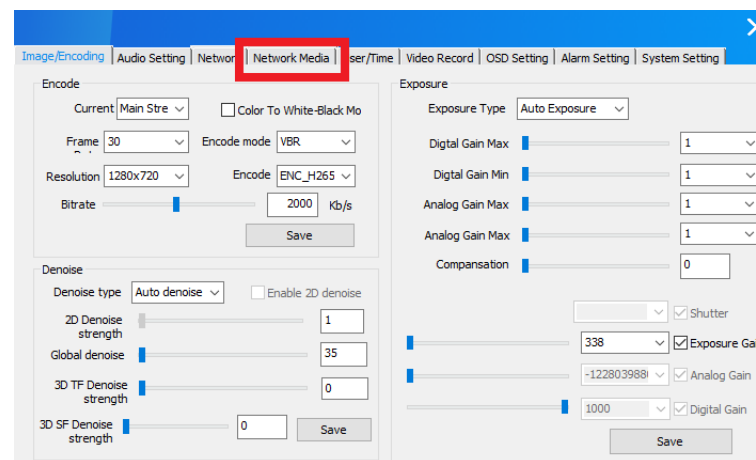
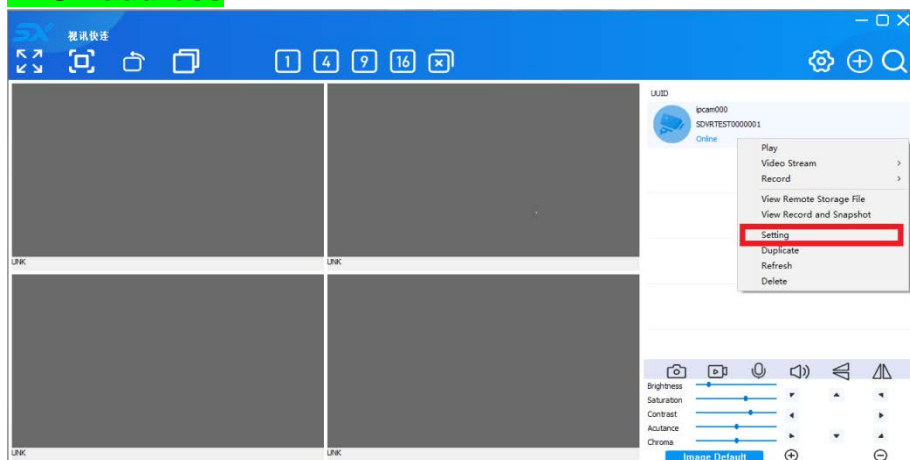
### 2、add username and password.



Main Stream	<a href="rtsp://Ab:Cd@192.168.31.88:888/av0_0">rtsp://Ab:Cd@192.168.31.88:888/av0_0</a>
Sub Stream	<a href="rtsp://Ab:Cd@192.168.31.88:888/av0_1">rtsp://Ab:Cd@192.168.31.88:888/av0_1</a>

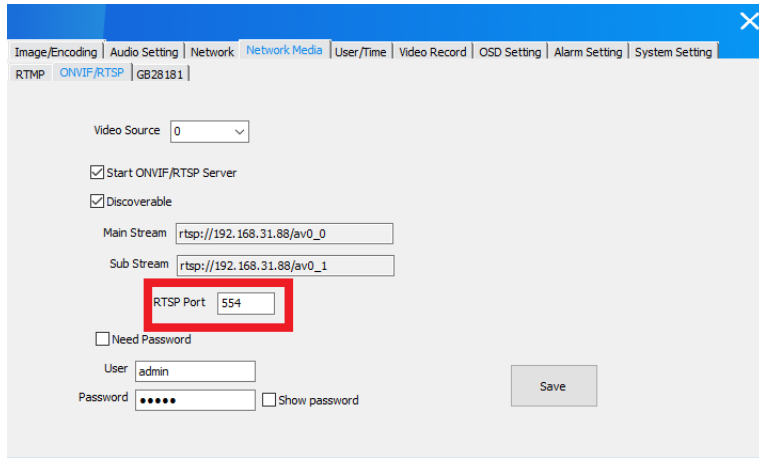
# RTSP address obtain and setting (PC client)

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**.

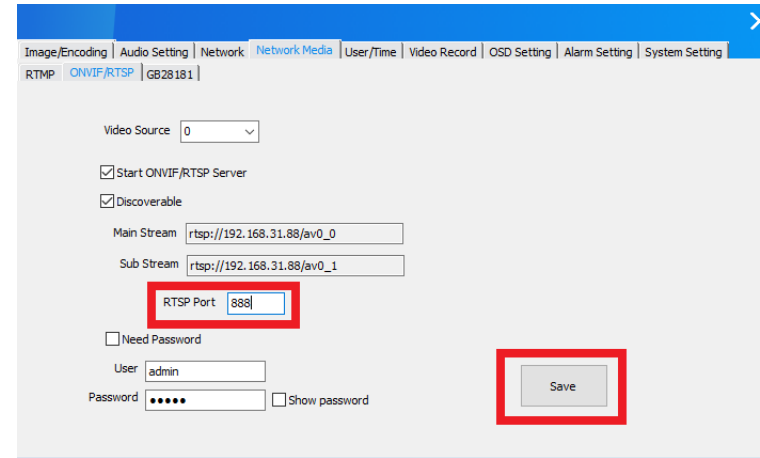


Users can modify the port number, add username and password as needed. Attention: After modification, the addresses of the main stream and sub stream will be changed. Please get it again.

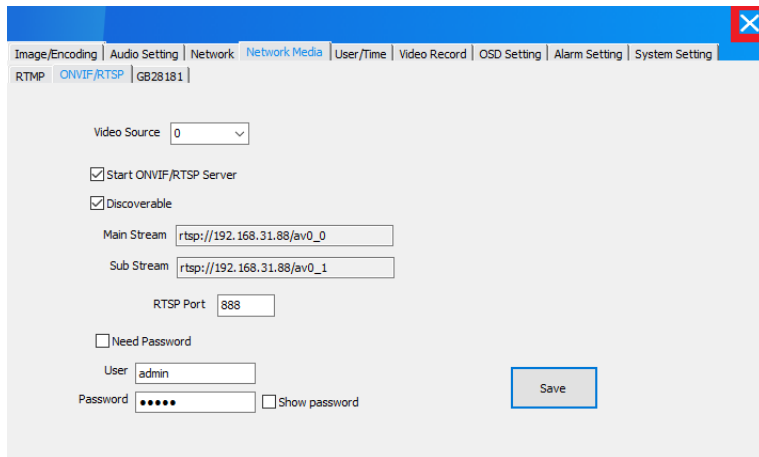
### 1、Modify port number:



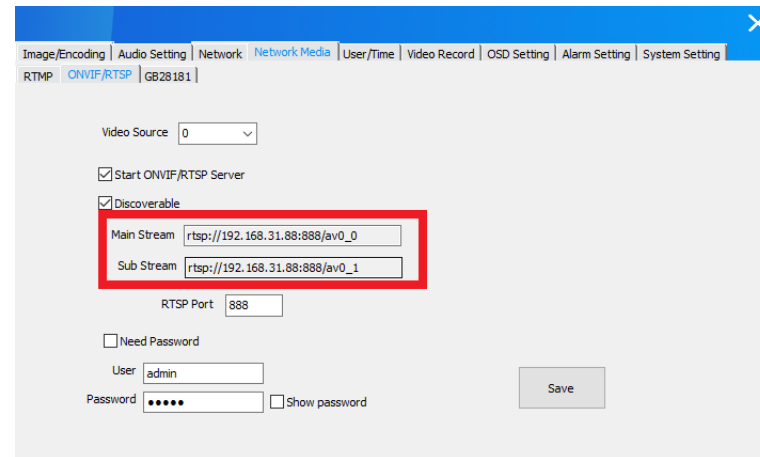
The screenshot shows the 'Network Media' configuration page for RTSP. The 'RTSP Port' field is highlighted with a red box and contains the value '554'. Other fields include 'Main Stream' (rtsp://192.168.31.88/av0\_0), 'Sub Stream' (rtsp://192.168.31.88/av0\_1), 'User' (admin), and 'Password' (masked with dots). A 'Save' button is visible at the bottom right.



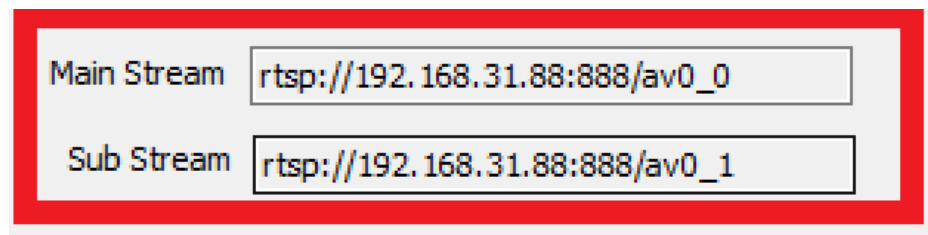
The screenshot shows the 'Network Media' configuration page for RTSP. The 'RTSP Port' field is highlighted with a red box and contains the value '888'. The 'Main Stream' and 'Sub Stream' fields are also highlighted with a red box, showing their addresses updated to include the new port: 'rtsp://192.168.31.88:888/av0\_0' and 'rtsp://192.168.31.88:888/av0\_1'. The 'Save' button is highlighted with a red box.



The screenshot shows the 'Network Media' configuration page for RTSP. The 'RTSP Port' field contains the value '888'. The 'Main Stream' and 'Sub Stream' fields contain the addresses 'rtsp://192.168.31.88/av0\_0' and 'rtsp://192.168.31.88/av0\_1' respectively. The 'Save' button is highlighted with a blue box.



The screenshot shows the 'Network Media' configuration page for RTSP. The 'Main Stream' and 'Sub Stream' fields are highlighted with a red box, showing their addresses updated to include the port: 'rtsp://192.168.31.88:888/av0\_0' and 'rtsp://192.168.31.88:888/av0\_1'. The 'RTSP Port' field also contains '888'. The 'Save' button is visible at the bottom right.



The final state shows the 'Main Stream' and 'Sub Stream' fields highlighted with a red box, containing the updated addresses: 'rtsp://192.168.31.88:888/av0\_0' and '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

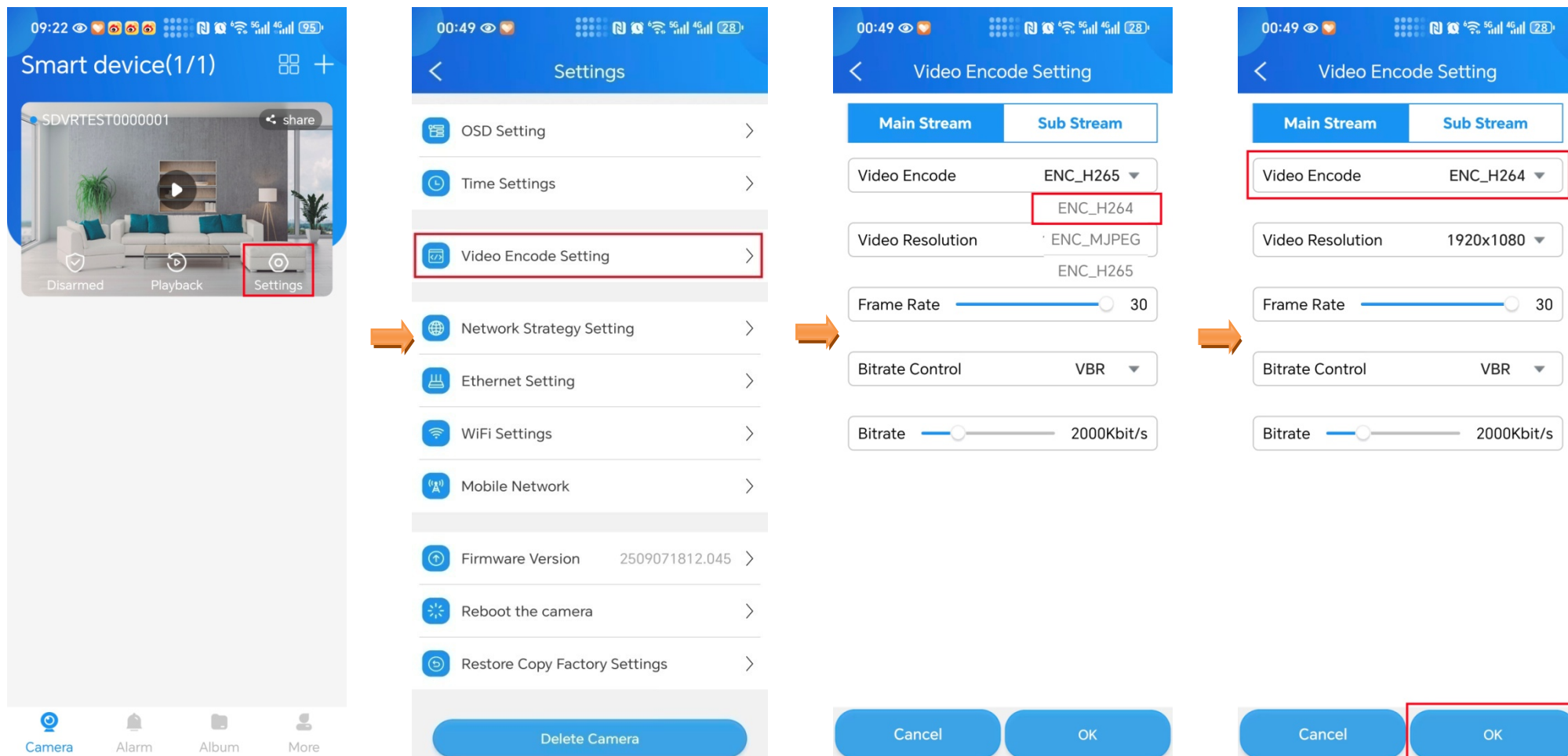
Main stream: rtsp://Ab:Cd@192.168.31.88:888/av0\_0

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**.

