



SRX-PRO  
DVMS SOFTWARE

SRX-Pro Remote - Live Mode



# ANDROID DEVICE CAMERA STREAMING IN SRX-PRO SERVER



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# SRX-Pro Mobile App

SRX-Pro Server Mobile App allows viewing live SRX-Pro Server video via Android device.

The same app also allows using your Android device's built-in camera as an IP video stream, which can be recorded to the SRX-Pro Server v.3.3.1 and above.

Important: Once connected to the SRX-Pro server, streaming video/audio from your Android device is recorded only during an active SRX-Pro Mobile Remote app connection. If connection is dropped during recording due to low network of other

## **Android Camera Streaming:**

When using Android Camera Streaming feature, the following conditions must be met:

1. Both the Android device and the SRX-Pro Server must be located on the same network.
2. The Android device must be connected to the SRX-Pro Server network via WiFi (not 3G/4G), which ensures that the IP address assigned to the Android device will remain the same.
3. Sufficient bandwidth must be available on your WiFi network. Once the bandwidth drops below the threshold, the Android app may be disconnected from the Server.
4. Fully-charged Android device battery. Camera streaming depletes device battery quickly.

To record video and audio streams from your Android camera to your SRX-Pro Server,

1. Download, install and launch SRX-Pro Mobile Remote app on your Android device
2. Start streaming video/audio
3. Add your Android device's video/audio stream to your SRX-Pro Server's IP Camera setup tab.
4. Assign the Android IP Camera and Audio inputs to a video Channel in your SRX-Pro Server's Hardware setup tab.
5. Ensure that the selected channel is set to Motion or Continuous recording in Schedule setup tab.  
Your Android device video/audio will now be recorded to your SRX-Pro Server until the SRX-Pro Mobile app connection is dropped/severed.

Please see the following section for detailed instructions of the above process.

## Downloading and Installing SRX-Pro Android App

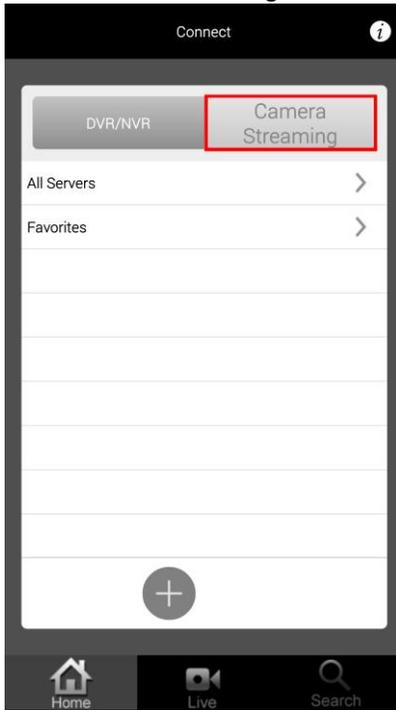


1. Download SRX-Pro Mobile Remote app from Google Play store. Search "srx-pro" to locate the app.
2. Select SRX-Pro Mobile Remote app from the list and touch **Install**.
3. Touch **Accept & Download** to accept permission requirements and to begin downloading and installing the app to your Android device.
4. Wait while the app is downloading to your Android device.
5. Once the app has been downloaded and installed to your Android device, locate the SRX-Pro icon in the menu and launch the app.
6. SRX-Pro Mobile Remote home screen will be displayed

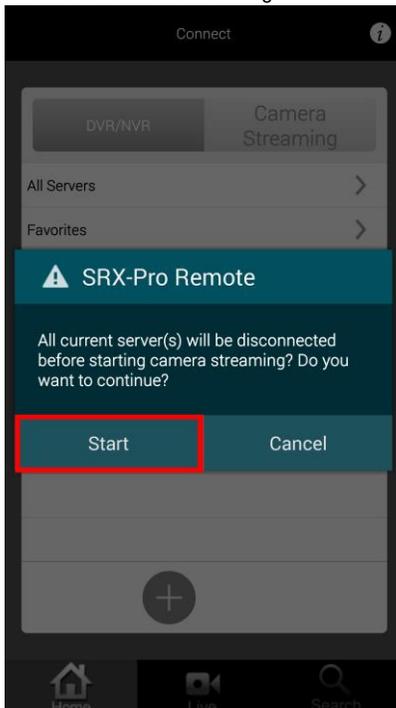
# Connecting Android Camera to SRX-Pro

To start streaming video from your Android camera,

1. Launch SRX-Pro Mobile Remote app on your Android device.
2. Click **Camera Streaming** button in SRX-Pro Android app home screen.

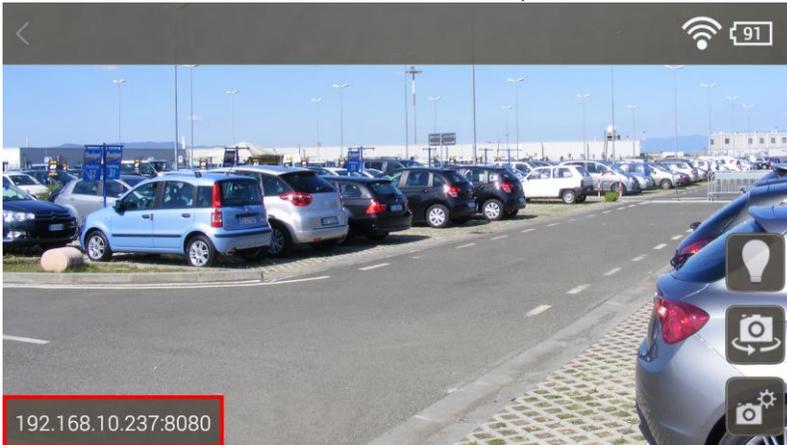


3. Click **Start** in the warning window. Note, all active remote connections will be disconnected.



## Android Camera Streaming in SRX-Pro Server

4. Locate the IP Address that was assigned to your Android device in the bottom left-hand corner. In this example, the IP is 192.168.10.237:8080, where 8080 is the port number.



5. In your SRX-Pro Server v.3.3.1 or higher, click the Setup button on the Main Screen and go to the IP Camera setup tab.
6. In the IP Camera setup tab, click the **+ Add** button.
7. In the Add IP Camera window,
  - i. Select **Legacy Integrations** from the Model drop-down menu.
  - ii. Enter you Android device **IP Address** recorded in Step 3. In this case, 192.168.10.237.
  - iii. In the Port field, enter **8080**.

Note, default HTTP port may be adjusted on your Android Device. Make sure the Port entered here matches the SRX-Pro Mobile Remote [HTTP Port](#) setting.

- iv. From the Device drop-down menu, select **ANNEXUS MOBILE AUDIO** item.
- v. Click **Add** to add your Android video/audio stream.

IP Camera Info

1 Model Legacy Integrations Search

2 IP Address 192.168.10.237 ANNEXUS MOBILE AL

Port: 8080 3

Server MAC

Server Subnet

Server Gateway

Video Input 1 4 ANNEXUS MOBILE AUDIO

Name

User Accounts

User Name

Password

Add Range

Add IP cameras in range

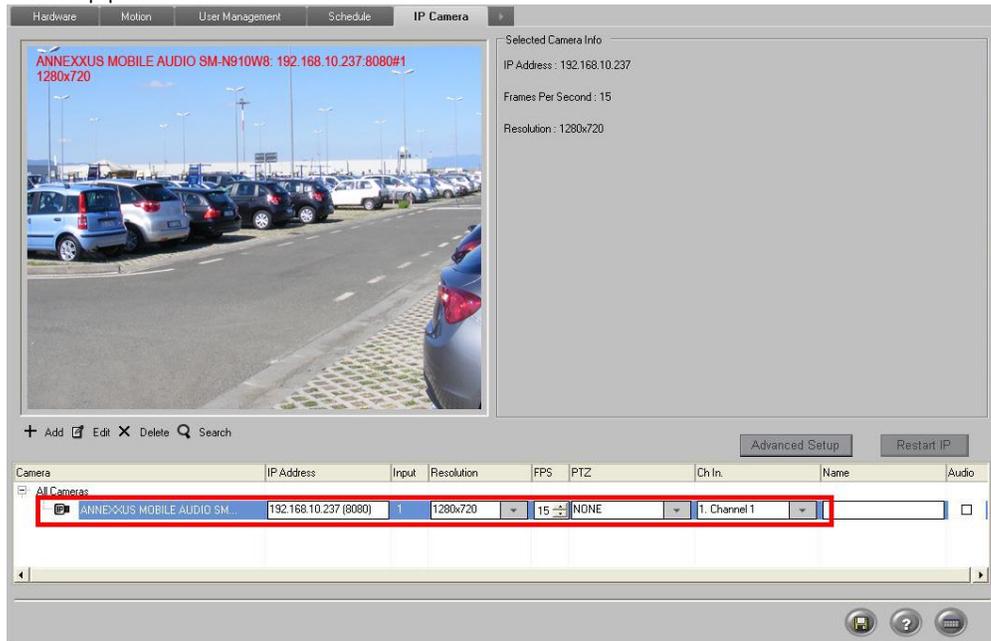
Start IP 1.1.0.0

End IP 223.255.255.255

5 Add Close

Important: Cameras added directly from the "Legacy Integrations" list may not perform as expected. In that case, re-add the same camera from the "3 GIP" search list.

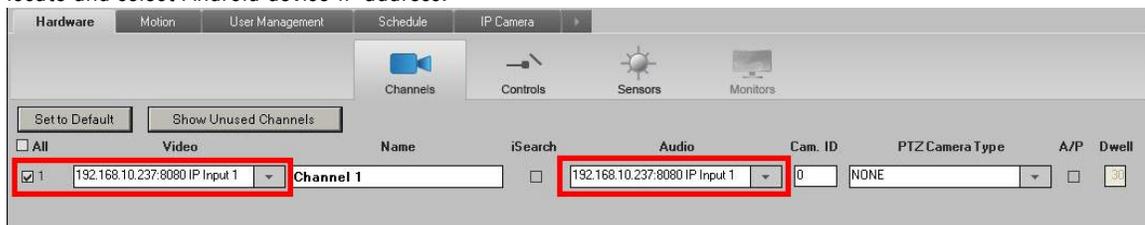
- Android camera stream will be added to the IP Camera setup tab list. Android camera live image will be shown in the setup preview window.



- On your Android device, a message will be displayed confirming successful connection.



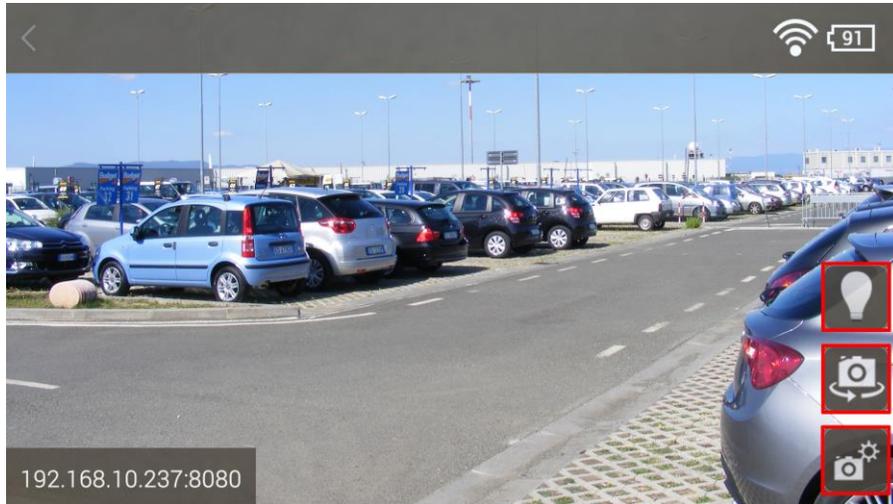
- In SRX-Pro Server, go to the Hardware Setup tab. Select the Channel that you'd like to assign your Android camera input to, click the **Video** drop-down menu, locate and select Android device IP address.



- Click the **Audio** drop-down menu for the same Channel and select Android device IP address.
- Click the **Save** button to save the settings.
- In SRX-Pro Server, go to the Schedule Setup tab and set Android streaming channel to either Continuous (preferred) or Motion recording type.
- Click the **Save** button to save the settings.  
Your Android device video/audio will now be recorded to your SRX-Pro Server until the SRX-Pro Mobile app connection is dropped/severed

## Android Camera Streaming Setup

While streaming video/audio from your SRX-Pro Mobile Remote Android app, you can make setup changes.



Three options are available right from the main screen:



Turn the light your Android device ON / OFF.



Swap between front and rear device cameras (if applicable)



Open SRX-Pro Streaming Settings

# Streaming Settings



Click the Settings on-screen button. SRX-Pro Streaming Settings window will be displayed.

## SOUND STREAMING:

Disable or Enable sound streaming from your Android device.

Audio steaming is enabled by default.

## VIDEO STREAMING:

Adjust Resolution, Framerate and Bitrate according to your preferences.

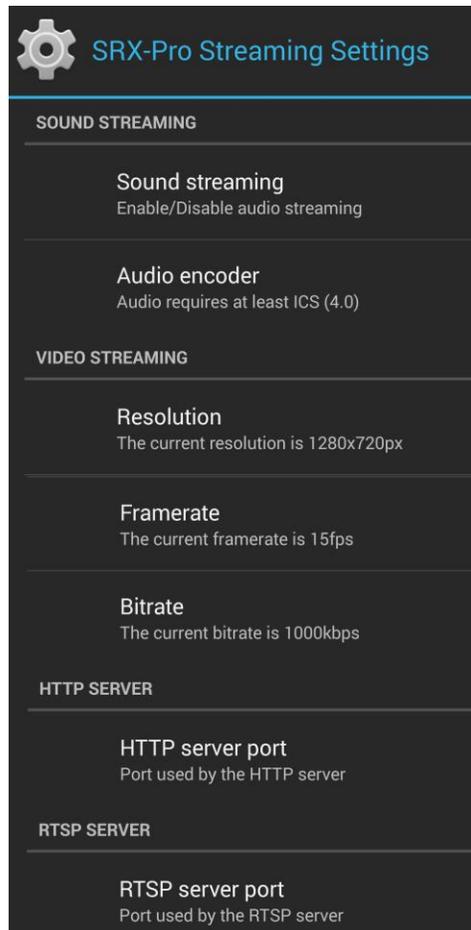
- Resolution: Available settings are **1920x1080**, **1280x720**, **640x480** and **320x240**.
- Framerate: Available settings are **15fps** and **30fps**
- Bitrate: Available settings are **500 kbps (CIF and 2CIF res. only)**, **700 kbps**, **1000 kbps**, **2000 kbps**, **3000 kbps**. Please see the table of recommended Bitrate settings below.

## HTTP SERVER:

HTTP server port is set to **8080** by default. If the default HTTP server port is changed on your Android device, it must also be adjusted in the SRX-Pro Server when adding the Android stream in IP Camera setup tab.

## RTSP SERVER:

RTSP server port is set to **8086** by default. **Important:** Your SRX-Pro Server must have permissions to access HTTP and RTSP port numbers set on your Android device.



## Recommended Bitrate Settings

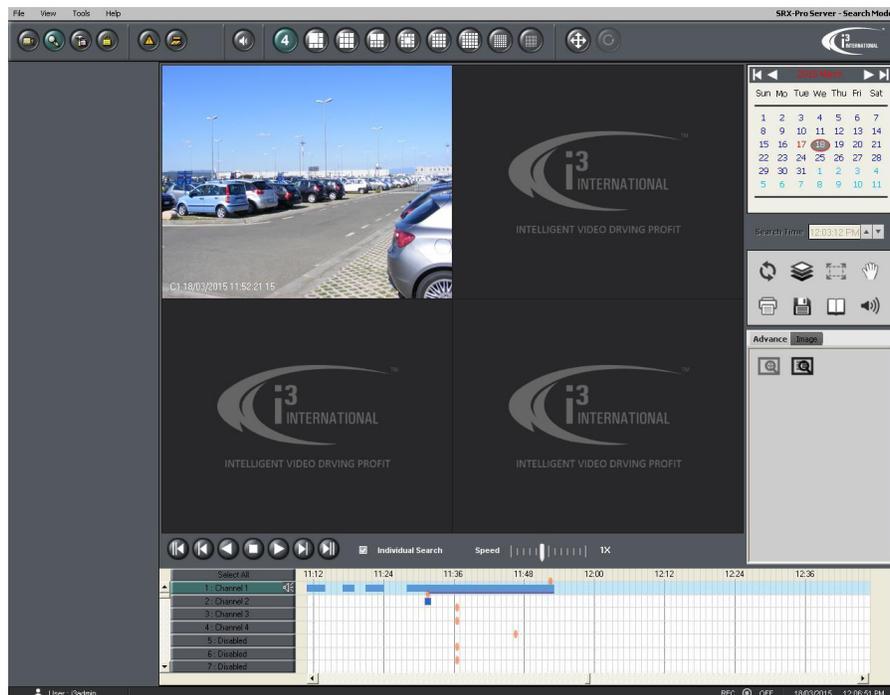
Follow the minimum bitrate setting recommendations below, based on your configured streaming frame rate.

| Resolution | Frame rate (FPS) | Bitrate (kbps) |
|------------|------------------|----------------|
| 1920x1080  | 15               | 2000           |
| 1280x720   | 15               | 1000           |
| 640x480    | 15               | 700            |
| 320x240    | 15               | 700            |
| 1920x1080  | 30               | 3000           |
| 1280x720   | 30               | 3000           |

## Searching Android Video

Once video/audio stream from your Android device has been recorded to SRX-Pro Server, you may search and back up the resulting video recording in a same way you would the recording from any other IP camera.

To search recorded video stream, click the Search button . The Search window will be displayed.



- Select the a day in the calendar.  
The colored bars inside the 24-hour timeline represent video recording for each individual camera. The color of the bar indicates the type of video recording.
- Check off the **Individual Search** checkbox.
- Select the Channel linked to the Android device. In the example below, Channel 1 is linked to the Android device. Notice the speaker icon and the purple bar below the blue Motion recording bar in the image. Both are an indication that audio has been recorded along with the video for this channel.  
**Note:** When playing back recorded audio, only ONE channel must be selected. Do NOT select more than one video channel.
- Use the playback buttons to view recorded video stream. Speakers/headphones are required to listen to the recorded audio.

