

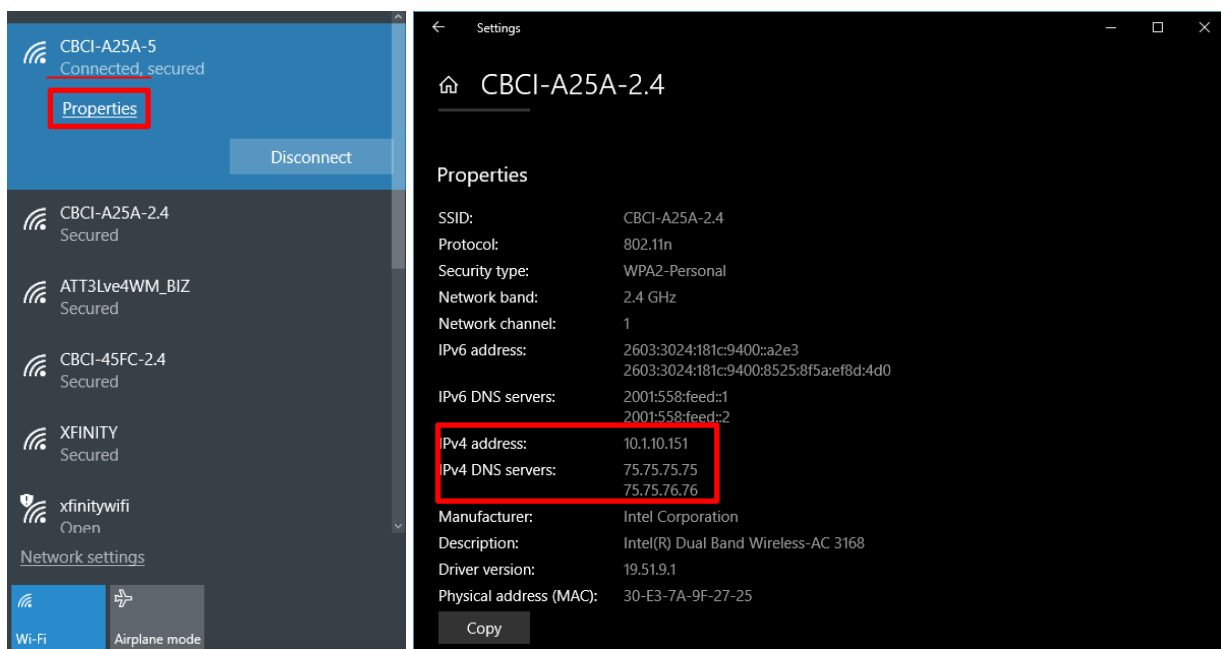
How to live stream directly from the AViPAS cameras via RTMP (AV-1361/1080/1280/1250 Series)

**Please note that Facebook Live no longer supports RTMP protocol. In order to stream to FB live, please use a third-party software such as OBS Studio.*

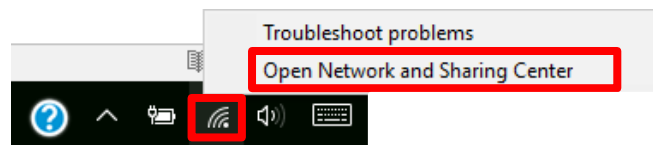
Connect the camera with your computer via Ethernet cable.

On the bottom-right corner of your desktop, click on the Network icon, then click on the name of the currently-connected network name. Click on “Properties”.

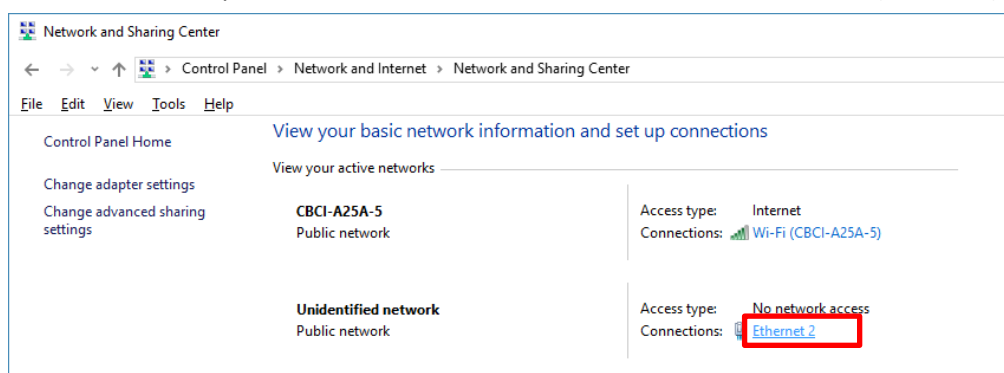
In the “Settings” window, find the 1. **router’s IP address**. In this case, IPv4: 10.1.10.151, and will be referred to as **IP1**; 2. **DNS servers**: **75.75.75.75**; 75.75.76.76(note as Alternative).

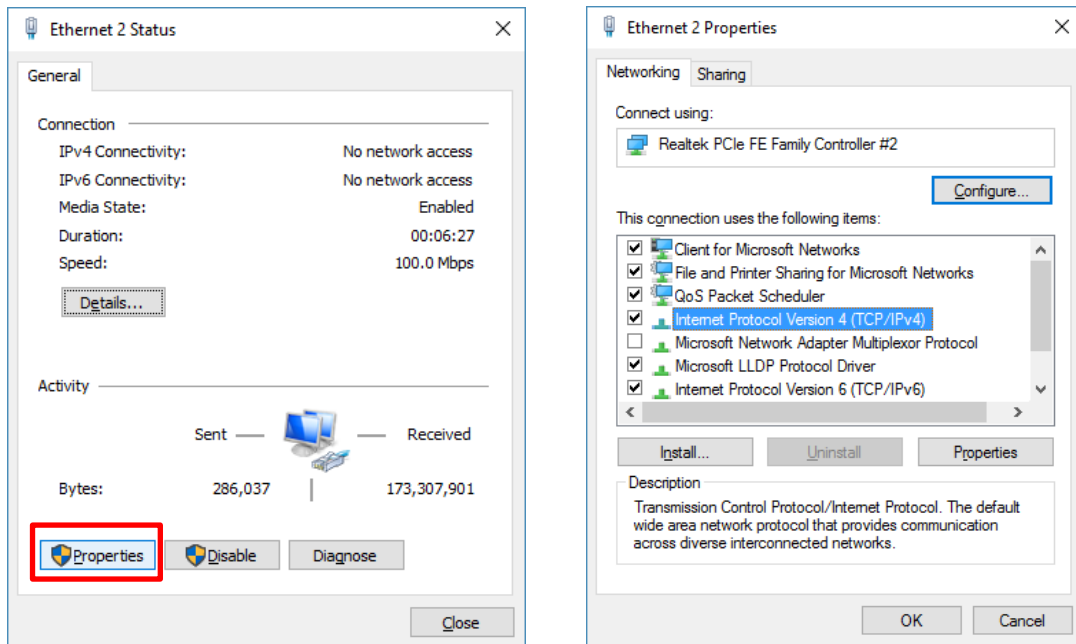


On the bottom-right corner of your desktop, right click on the Network icon, then click on the “Open Network and Sharing Center”.

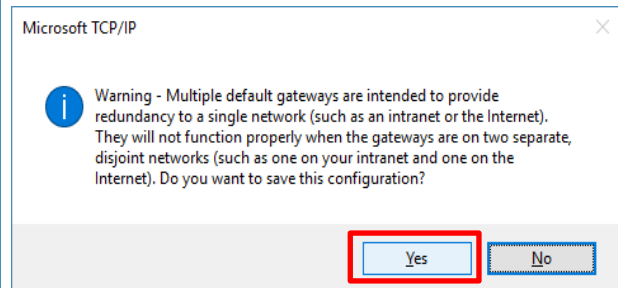
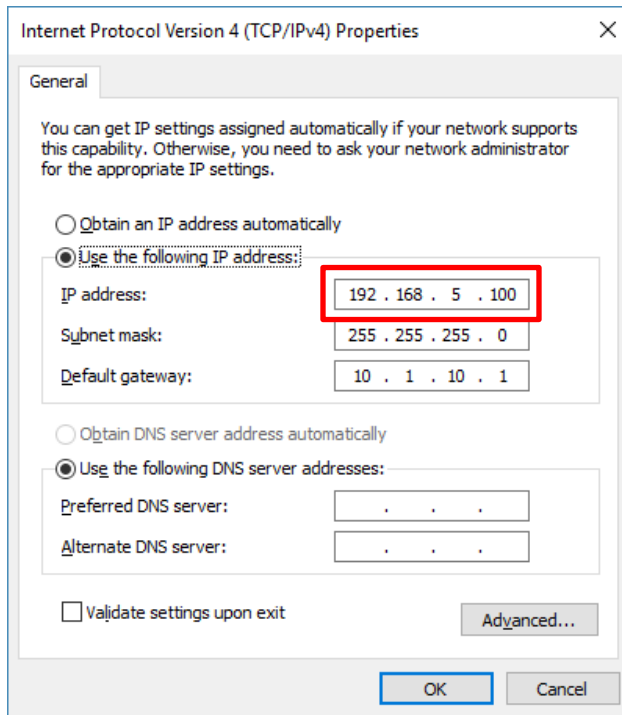


Click on “Ethernet2” -> “Properties” -> double click on “Internet Protocol Version 4(TCP/IPv4)”.

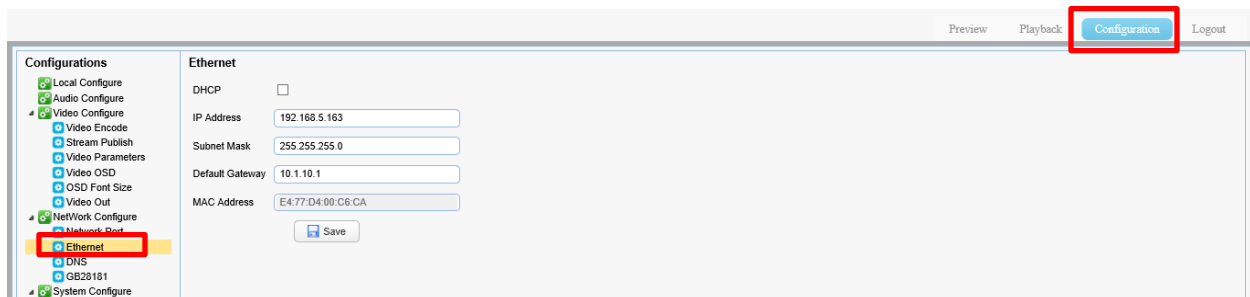




Choose “Use the following IP address”, change **computer “IP address”** (referred to as **IP2**) to be consistent with the **camera IP address** (referred to as **IP3**). For example, AV-1361 default IP address (IP3): 192.168.5.163, thus the user can change the computer IP address (IP2) to 192.168.5.100. Make sure the first 3 sections are the same. Click on “OK”. In the warning window, click on “Yes”.

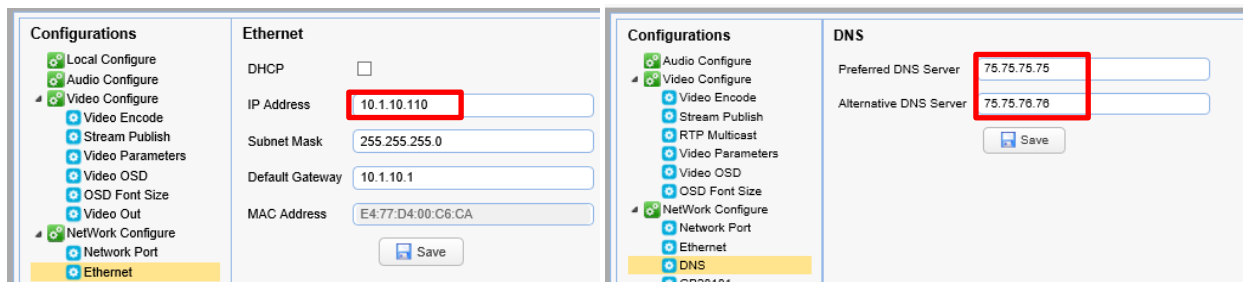


Open IE browser (IE browser works best with AV-1361, other browser might cause latency or incompatibility), input 192.168.5.163 in the address bar, log in with user name: admin, password: admin. Click on "Configuration" -> "NetWork Configure" -> "Ethernet".

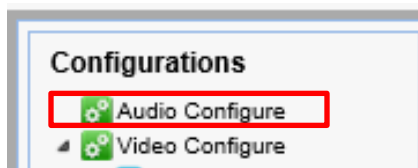


Find the "IP Address" and change it to be consistent with IP1 (router IP). Make sure the first 3 sections are the same. For example, at the beginning of this instruction, notice IP1 is 10.1.10.151, then the user can change the "IP Address" (IP3) to 10.1.10.110. Click on "Save" to save the change.

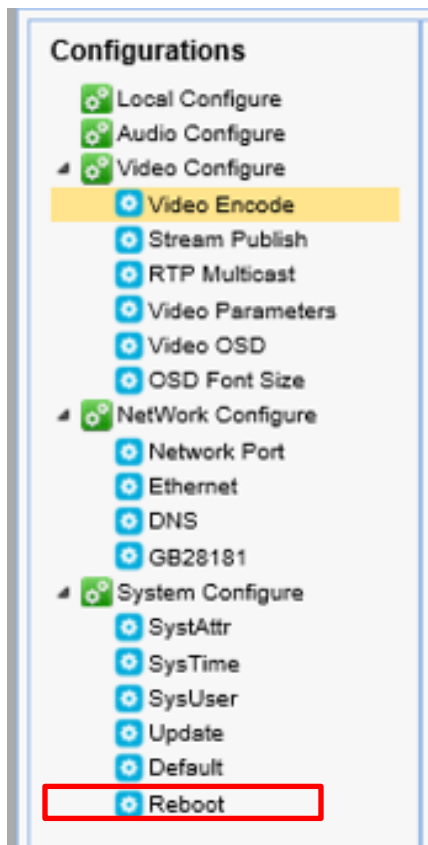
Then go to "DNS", change it to be consistent with the DNS servers of your current network.



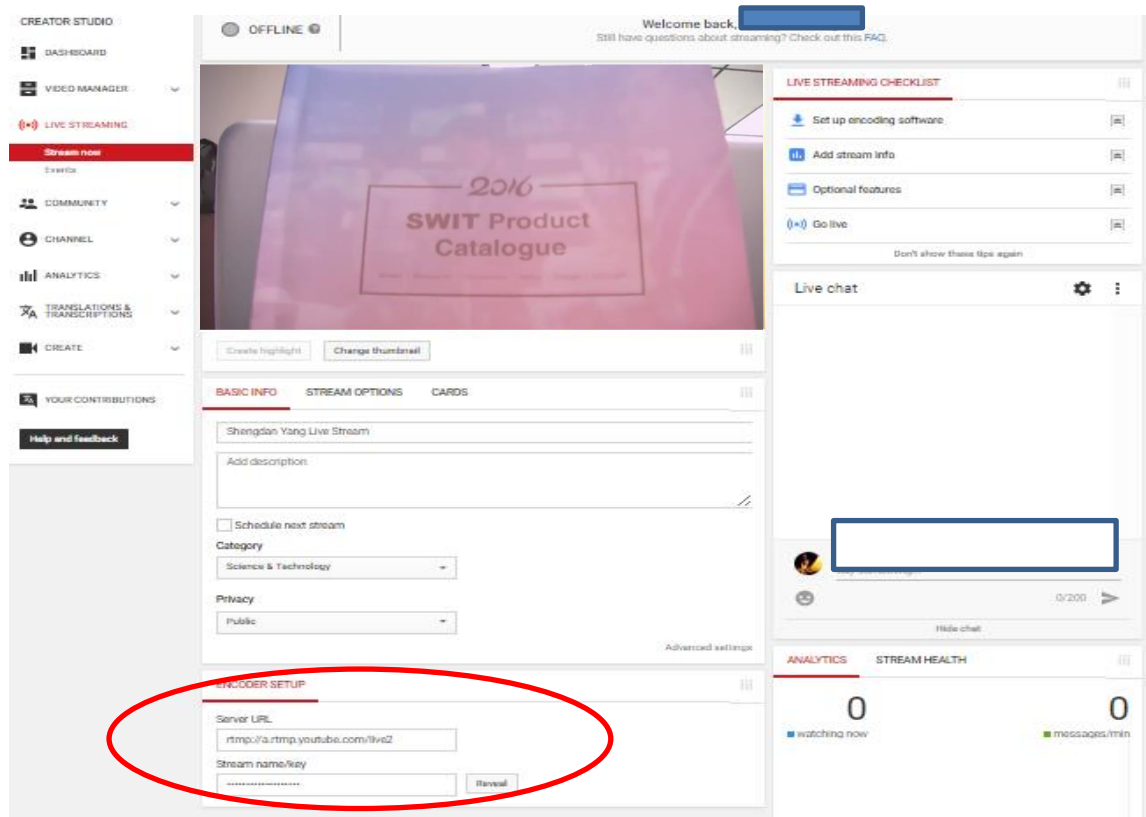
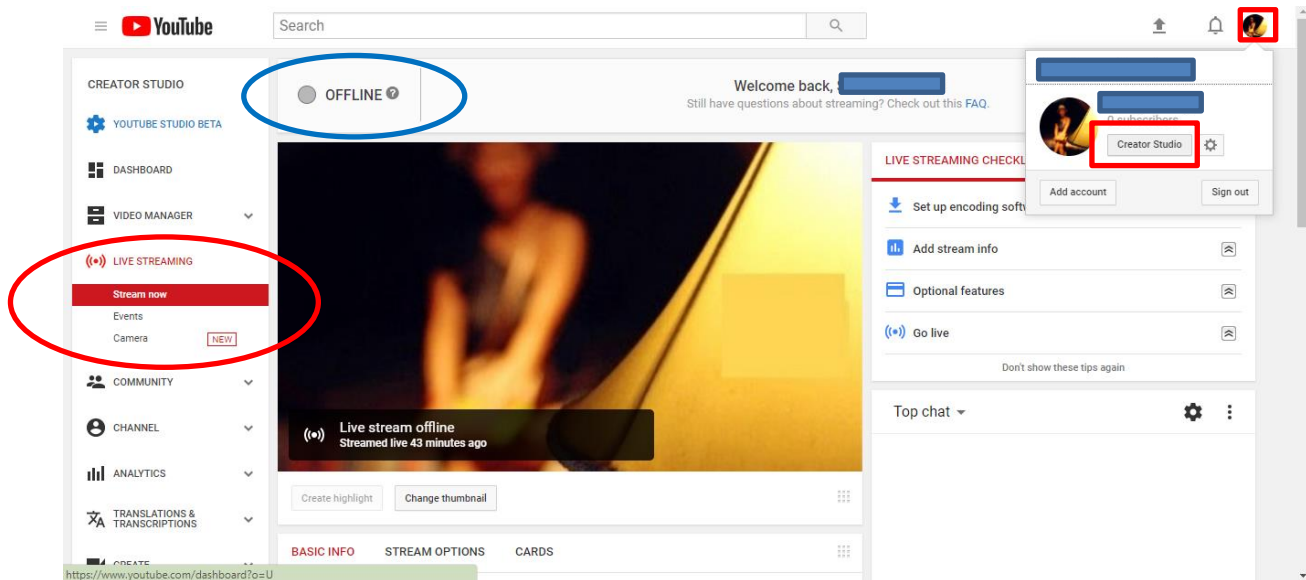
If you plan to use AViPAS cameras for streaming directly to your CDN such as Facebook or YouTube you will want to use a line level microphone input. Go to “Audio Configure”, enable audio, choose **Encode Type->AAC**; **Sample Rate->48000**.



Click “Save” and “Reboot” the camera.



For streaming platform, here we use YouTube Live as an illustration. Other streaming platforms could also be applied. Login to your account, click your profile image on the upper-right corner, then click “Creator Studio”. Choose the “LIVE STREAMING” tag on the left-side of this page. Notice that the current status is “OFFLINE”, and the circle is gray (blue circle at the top-left).

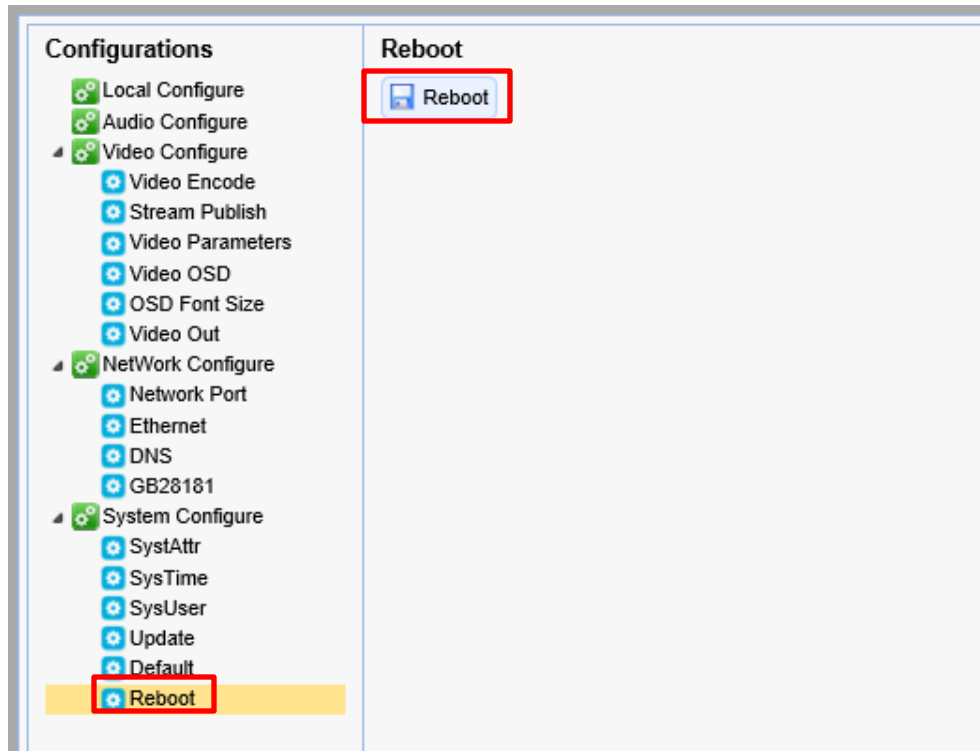


At the bottom of “Stream now” page (red circle), there’s the “ENCODER SETUP” section, in which it contains “Server URL” and “Stream name/key”. Click “Reveal” so you can see the “Stream name/key” for a few seconds.

Go back to PTZ camera control interface (IE browser) -> Configuration -> Video Configure -> Stream Publish. Click “Enable” for Main Stream. Input “Host Address” as the content between the “//” and the first “/” of the Server URL. For “Stream Name”, input the content after the first “/” of the Server URL/Stream name. For example, as the picture showed above, Server URL is rtmp://a.rtmp.youtube.com/live2, Stream name is 123456abcdefg, thus for “Host Address”, the user should input a.rtmp.youtube.com. For Stream Name, the user should input live2/123456abcdefg. If the user would like to use the “Sub(Second) stream”, just follow the same operations as “Main stream”.

Click “Save” after changing.

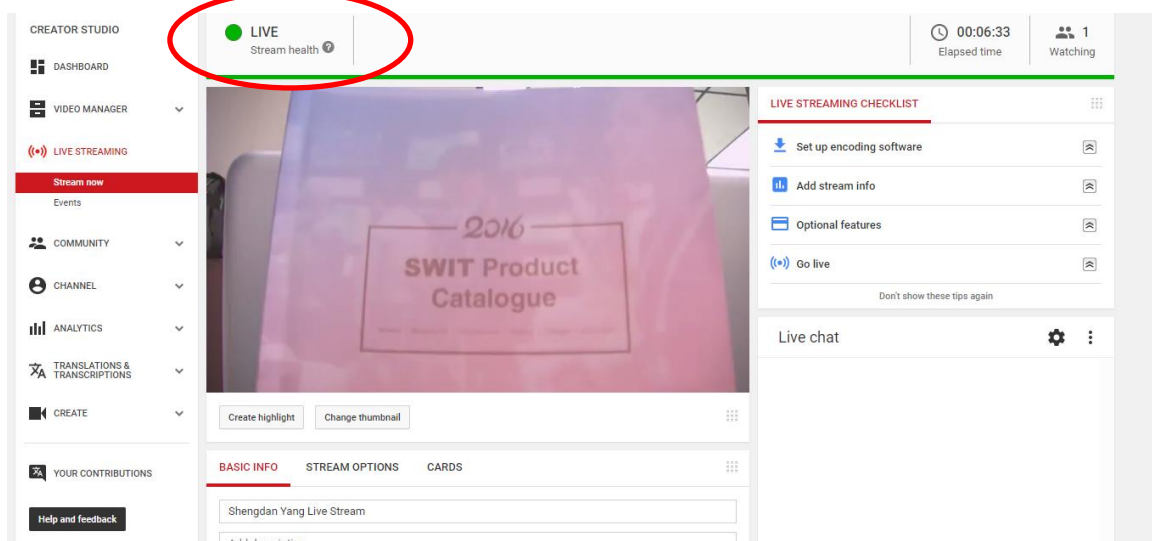
Go to “System Configure” -> “Reboot”, and click “reboot” to restart the camera. So that the changes will take effect.



Disconnect the camera from your computer, and connect the camera to the router (Internet port) via Ethernet cable.

Open IE browser, input the new camera IP (in this case, IP3 is 10.1.10.110) in the address bar, log in with user name: admin, password: admin.

Go to Youtube "Stream now" page, the user should see a green light "LIVE" on the left side, and a timer on the right. The setup is then complete, and the show is on.



Here's an example setting for YouTube Live and Facebook Live:

Camera

Connect

Connect Your Live Stream to the Live API

Use live streaming software or a hardware encoder. [Learn more.](#)

1. Choose where you want to post your broadcast on the right.
2. Preview your broadcast with a stream key or paired encoder.

Stream Key

Paired Encoder

Enter the information below into your software's settings.

☐ Secure connection (SSL) ⓘ

☐ Enable persistent stream key ⓘ

Server URL ⓘ

rtmp://live-api.facebook.com:80/rtmp/

Stream Key ⓘ

1101449306673236?ds=1&s_vt=api&a:

ENCODER SETUP

Server URL

rtmp://a.rtmp.youtube.com/live2

Stream name/key

1101449306673236?ds=1&s_vt=api&a:

Hide (4)

Reset

⚠

 Anyone with this key can live stream on your YouTube channel. Keep it secret.

Configurations

Audio Configure

Video Configure

Stream Publish

RTP Multicast

Video Parameters

Video OSD

OSD Font Size

NetWork Configure

Network Port

Ethernet

DNS

GB28181

System Configure

SystAttr

SysTime

SysUser

Update

Default

Reboot

Stream Publish

Stream	Main Stream	Sub Stream
Enable	<input checked="" type="checkbox"/> Facebook Live	<input checked="" type="checkbox"/> YouTube Live
Protol Type	RTMP	RTMP
Host Address	live-api.facebook.com	a.rtmp.youtube.com
Host Port	80	1935
Stream Name	rtmp/1101449306673236?ds=1&s_vt=api&a:	live2/1101449306673236?ds=1&s_vt=api&a:
User Name		
Password		
<div>Save</div>		