

AVer TR320/530, PTZ310/330 and TR310/333 Cameras

Streaming with YouTube

October 2020

Steps to integrate the AVer TR320/530, PTZ310/330, and TR310/333 Cameras with YouTube

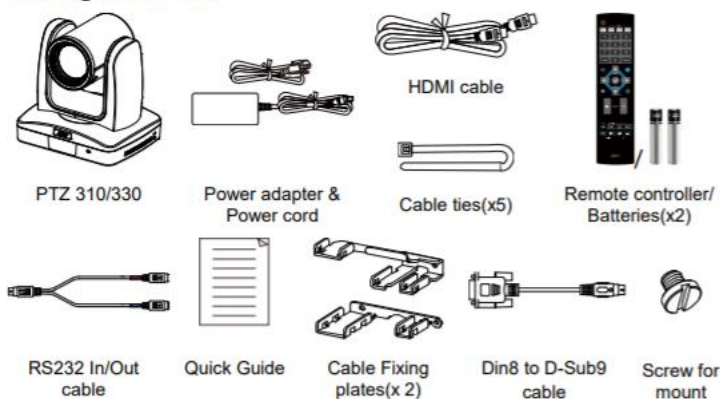
AVer Pro-AV has high quality image Cameras (TR320/530, PTZ310/330, TR310/333) that will integrate with YouTube workflows for peak performance and ease of use. We will show the configuration process for both the TR and PTZ Camera lines and YouTube streaming service. There are some pre-requisites for this to happen, see below.

PTZ310/330 Camera Overview

- AVer PTZ330/N Camera and accessories.

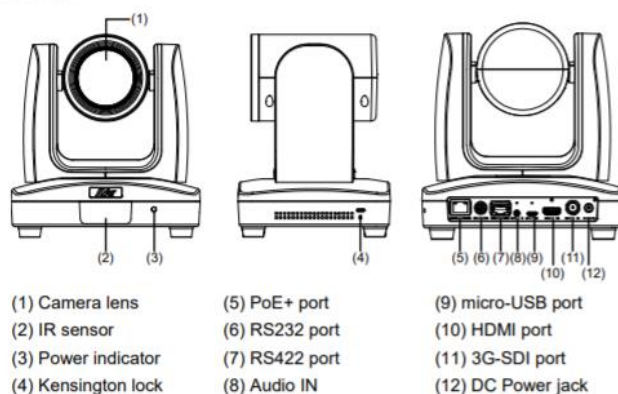


Package Contents



PTZ310/330 Camera Overview

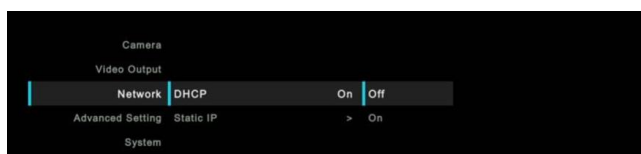
Overview



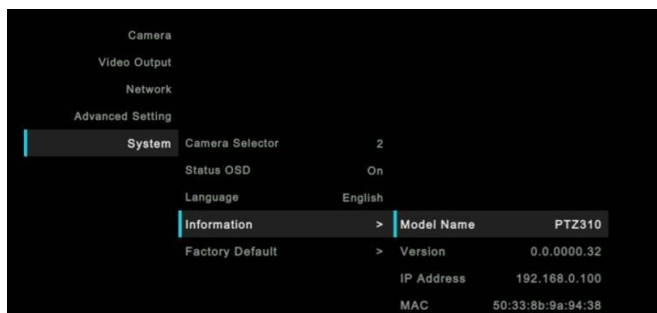
- Chrome Browser, version 79.0.3945.xxx and later.
- YouTube account.
- Windows 10 Pro OS used in this setup.

STREAMING RTMP from PTZ310/330 Camera to YouTube Live

1. Connect the PTZ330 camera via Network RJ45 connection; verify IP address of Camera in order to connect via Web browser. Locate the remote, select the “Menu” icon on the remote and navigate to the “Network->DHCP->” setting, verify it is set to DHCP “On” in order to grab an available IP address. If you are reserving IP addresses, verify it is set to “OFF” and that the correct IP address has been set.



After turning DHCP on, go to **System > Information** to view the IP address.



2. Once you have the IP address setup, type the IP address in your Chrome browser (Setup on same subnet) and you should now see the login to the PTZ330 camera shown below.

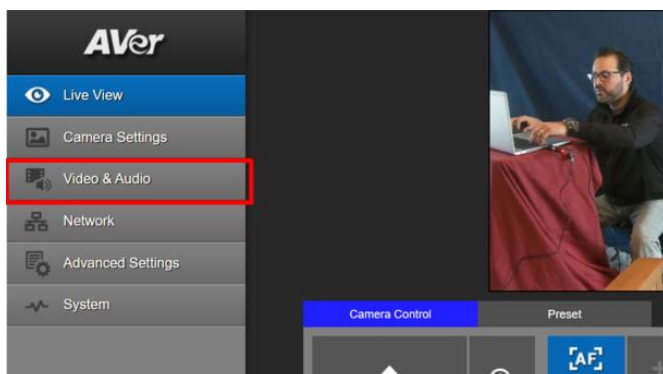
Sign in
http://192.168.0.106
Your connection to this site is not private

Username

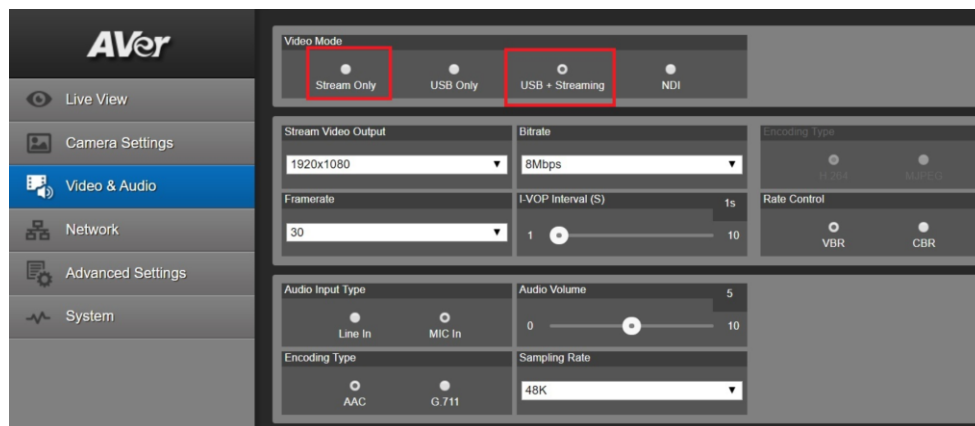
Password

STREAMING RTMP from PTZ310/330 Camera to YouTube Live

- The default Username/password is “administrator” or “admin / admin”. ***Note:** If this is the first time accessing the PTZ330 camera via the Web login it will ask you to change the Username/Password.
- Next, you should now see the main login screen with a “Live View” of the PTZ Camera.

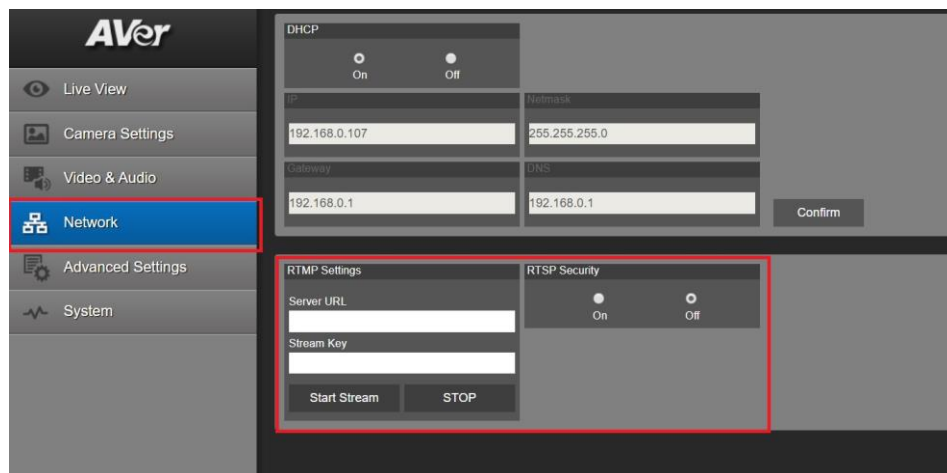


- Next, after selecting the *Video & Audio* setting, verify that you have either “Stream Only” selected or “USB + Streaming” selected. Select your Stream Video Output standard, Bitrate, Framerate, Encoding, etc.



***Note:** Once streaming has started do not change the Stream Video Output on the fly, you will need to “Stop” streaming, change the Stream Video Output, then “Start” the stream again.

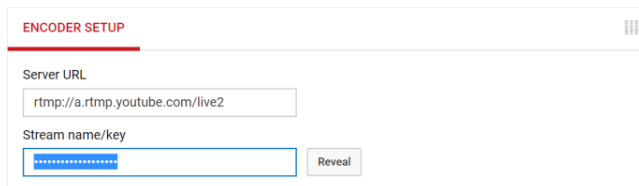
- Next, select the *Network* setting; this is where you will enter the RTMP Server URL and Stream Key. RTSP Security to either “On” or “Off” depending if you want encryption when using RTSP.



STREAMING RTMP from PTZ310/330 Camera to YouTube Live

- Next, go to your YouTube account and login to obtain the *Server URL* and *Stream name/key*. Once obtained, you will copy that information and paste it into the PTZ Camera *Server URL* and *Stream Key* fields.

***Note:** You may have to switch to “Classic view” to find it quicker if you don’t already know it.

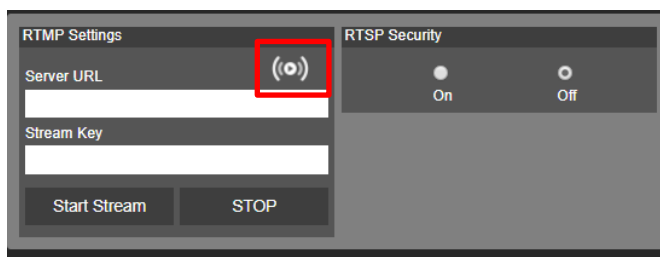


ENCODER SETUP


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

Stream name/key
[REDACTED] [Reveal](#)

- Next, go back to the PTZ WebLogin and select *Start Stream*; this will begin the stream to YouTube. You should see a Streaming icon appear to indicate the process has started.



RTMP Settings

Server URL 

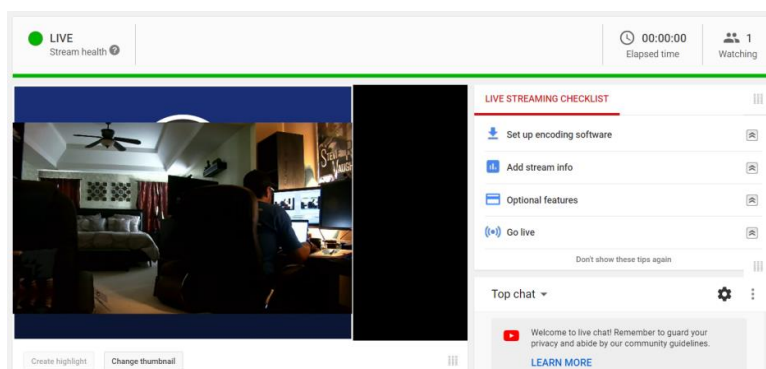
Stream Key

Start Stream STOP

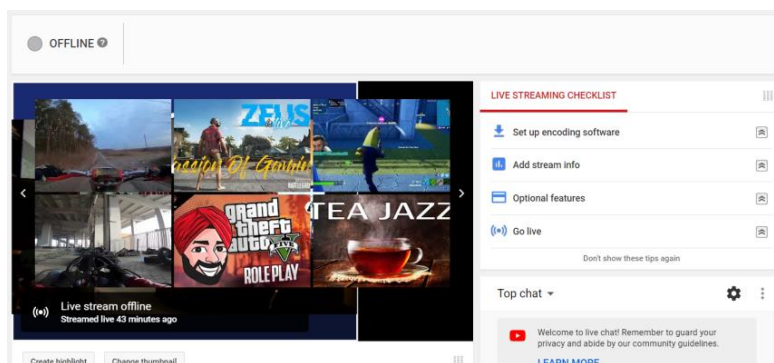
RTSP Security

On Off

- To verify, go to your YouTube Live Dashboard and verify the video feed from the PTZ330 camera.



- To end the streaming feed from the PTZ camera, go to the WebLogin and select “STOP”.
- To verify on YouTube, go back to your YouTube Live Dashboard, it should now be displaying “OFFLINE”.



- This concludes the AVer PTZ330 Camera Streaming with YouTube setup.

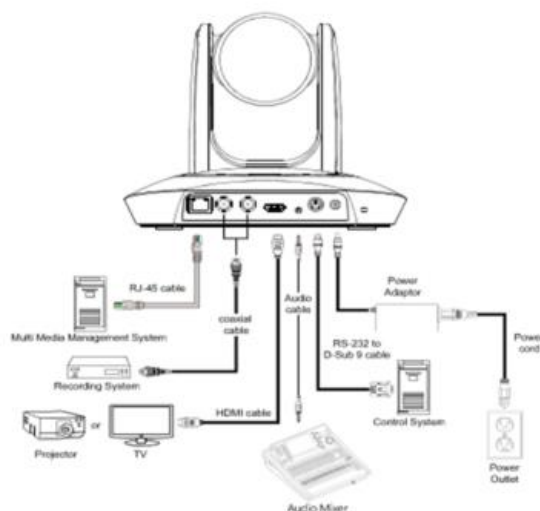
STREAMING RTMP from TR (Tracking) Camera to YouTube Live

1. Connect the TR320/530 camera via Network RJ45 connection; verify IP address of Camera in order to connect via Web browser.

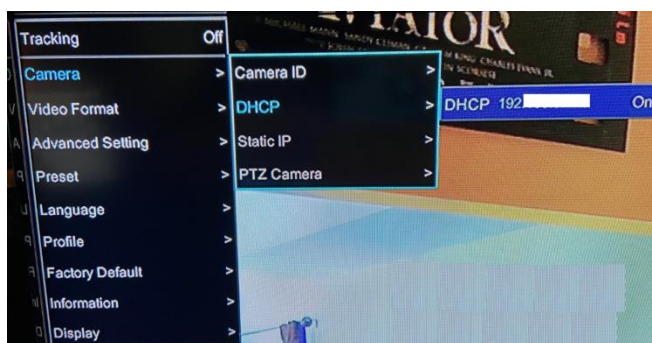
Important Camera Setup

Installation Suggestion:

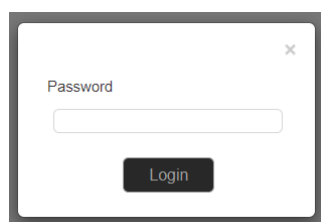
- Install height: 2~3m (6.56~9.84 feet). 2.4m (7.87 feet) is recommended. If the camera height is too low, tracking may be compromised. Please raise the camera to at least 6.56 feet.
- Distance from podium:
 - TR320: 4~10m (13~33 feet)
 - TR530: 4~15m (13~49 feet)



2. Next, with an SDI/HDMI output connected, select the “Menu” icon on the remote and navigate to the “Camera->DHCP->” setting, verify it is set to DHCP “On” in order to grab an available IP address. If you are reserving IP addresses, verify it is set to the correct IP address and that DHCP is set to “Off”.



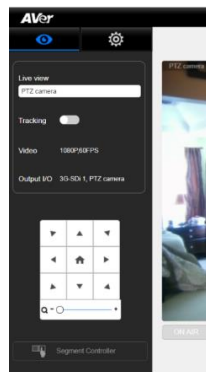
3. Once you have the IP address setup, type the IP address in your Chrome browser (Setup on same subnet) and you should now see a login to the TR320/530 camera shown below.




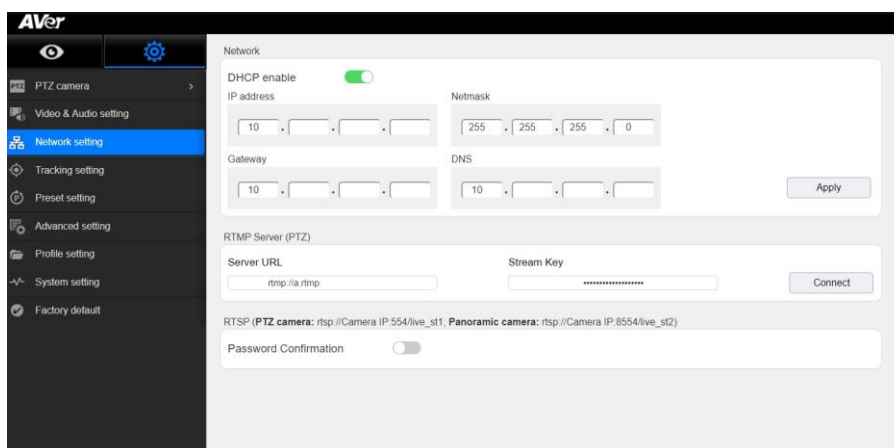
4. The default password is “admin”.

STREAMING RTMP from TR (Tracking) Camera to YouTube Live (continued)

- Next, you should now see the main login screen with a “Live View” of the PTZ Camera.

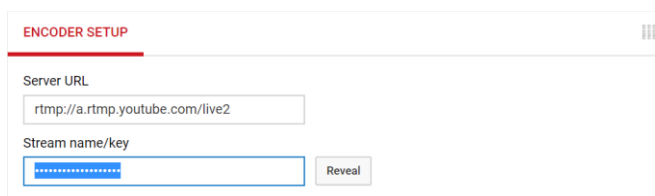


- Next, select the settings gearbox , then select *Network Setting*. You should now see the following information displayed.

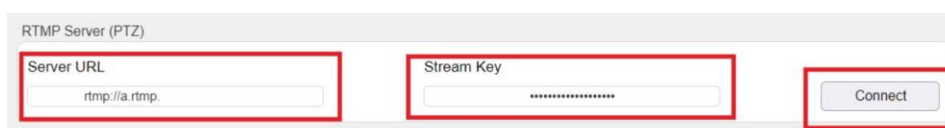


- Next, notice the *RTMP Server URL* selection, this is where you will “paste” the URL string from YouTube as well as the *Stream Key* from YouTube.
- Next, go to your YouTube account and login to obtain the *Server URL* and *Stream name/key*. Once obtained, you will copy that information and paste it into the TR Camera *Server URL* and *Stream Key* fields.

***Note:** You may have to switch to “Classic view” to find it quicker if you don’t already know it.



- Next, go to the TR Camera WebLogin, *Network Setting*, and paste the Server URL and Stream Key information into the fields provided.



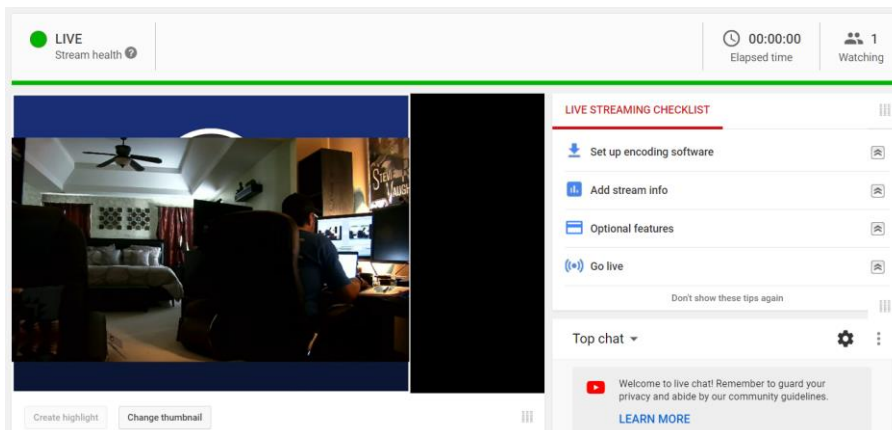
STREAMING RTMP from TR (Tracking) Camera to YouTube Live (continued)

10. Next, to begin the Stream from the TR Camera, select *Connect*, you should see a red “Streaming” text appear, to indicate you are now streaming. This is where you would also “Disconnect” from the stream.

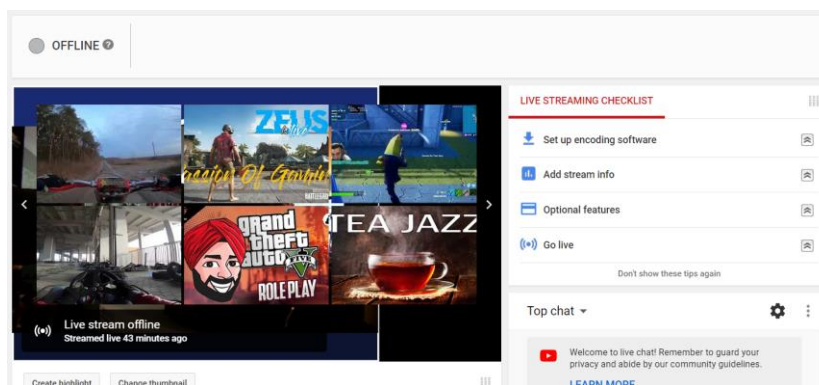
Streaming

Disconnect

11. To verify, go to your YouTube Live Dashboard and verify the video feed from the TR530 camera.



12. To end the streaming feed from the TR camera, go to the WebLogin and select “Disconnect”.
13. To verify on YouTube, go back to your YouTube Live Dashboard, it should now be displaying “OFFLINE”.



14. This concludes the AVer TR530 Camera integration within the YouTube environment.

TR310/333 Camera Overview

There are (5) new AI Tracking cameras available, the TR310, 311HN, 311, 313, 333, we will compress the camera models in this document for viewing to be TR310/333, the process is the same for all the new camera models.

- AVer TR310/333 Camera and accessories.

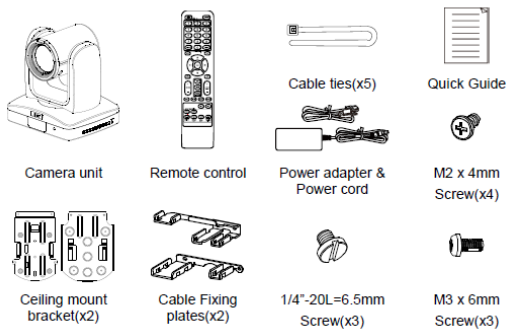
TR311HN

12X NDI® PTZ live streaming camera

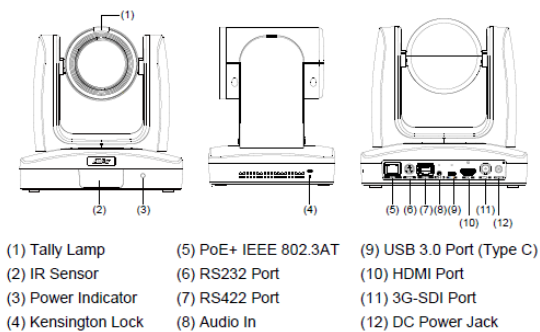
Featuring NEW AI Auto Tracking



Package Contents



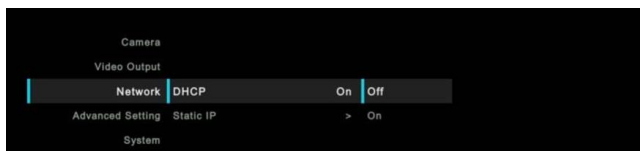
Overview



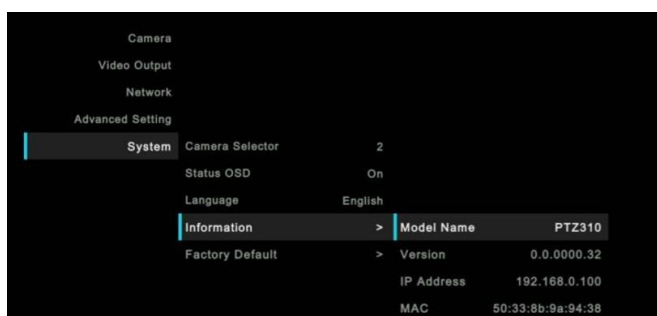
- Chrome Browser, version 79.0.3945.xxx and later.
- YouTube account.
- Windows 10 Pro OS used in this setup.

STREAMING RTMP from TR310/333 Camera to YouTube Live

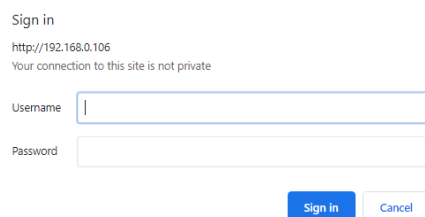
1. Connect the TR310/333 camera via Network RJ45 connection; verify IP address of Camera in order to connect via Web browser. Locate the remote, select the “Menu” icon on the remote and navigate to the “Network->DHCP->” setting, verify it is set to DHCP “On” in order to grab an available IP address. If you are reserving IP addresses, verify it is set to “OFF” and that the correct IP address has been set.



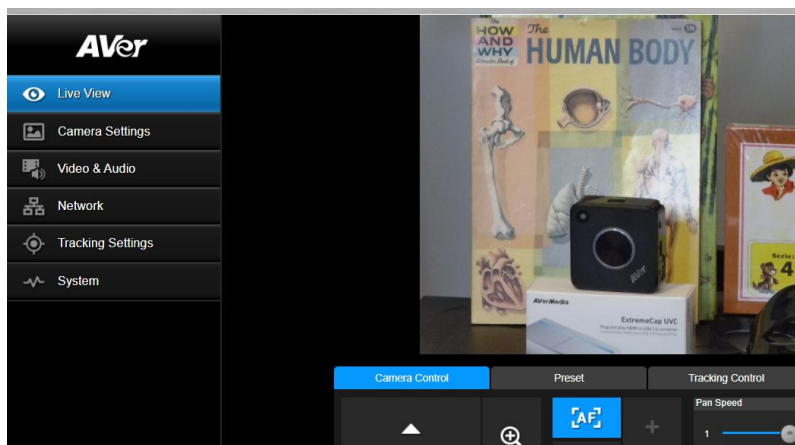
After turning DHCP on, go to **System > Information** to view the IP address.



2. Once you have the IP address setup, type the IP address in your Chrome browser (Setup on same subnet) and you should now see the login to the TR310/333 camera shown below.



3. The default Username/password is “administrator” or “admin / admin”. ***Note:** If this is the first time accessing the TR310/333 camera via the Web login it will ask you to change the Username/Password.
4. Next, you should now see the main login screen with a “Live View” of the PTZ Camera.

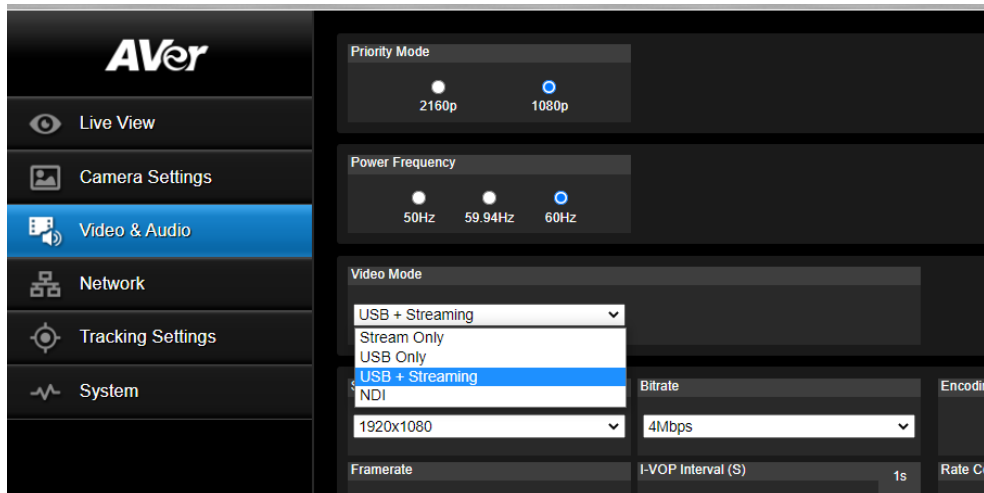


STREAMING RTMP from TR310/333 Camera to YouTube Live (continued)

- Next, after selecting the *Video & Audio* setting, verify that you have either “Stream Only” selected or “USB + Streaming” selected. Select your Stream Video Output standard, Bitrate, Framerate, Encoding, etc.

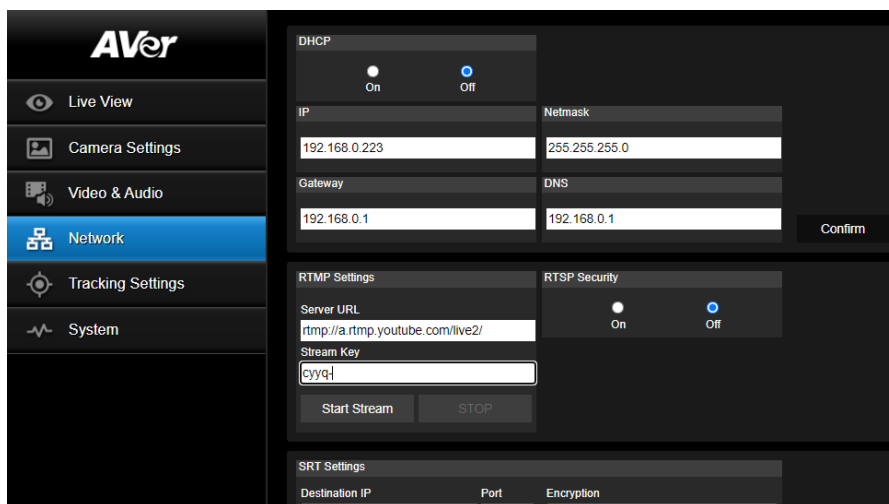
***Note:** Some servers require a minimum bitrate of 2.5Mbps for their environment.

***NDI Mode:** If NDI is selected, the USB output is disabled, this is by design.



***Note:** Once streaming has started do not change the Stream Video Output on the fly, you will need to “Stop” streaming, change the Stream Video Output, then “Start” the stream again.

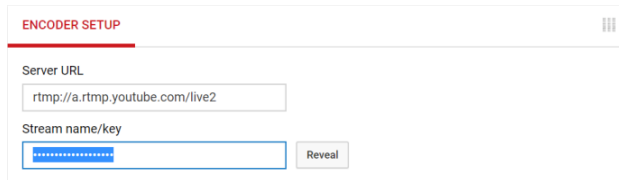
- Next, select the *Network* setting; this is where you will enter the RTMP *Server URL* and *Stream Key*. *RTSP Security* to either “On” or “Off” depending if you want encryption when using *RTSP*.



STREAMING RTMP from TR310/333 Camera to YouTube Live (continued)

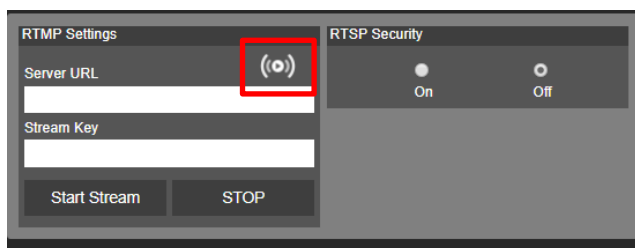
- Next, go to your YouTube account and login to obtain the *Server URL* and *Stream name/key*. Once obtained, you will copy that information and paste it into the PTZ Camera *Server URL* and *Stream Key* fields.

***Note:** You may have to switch to “Classic view” to find it quicker if you don’t already know it.

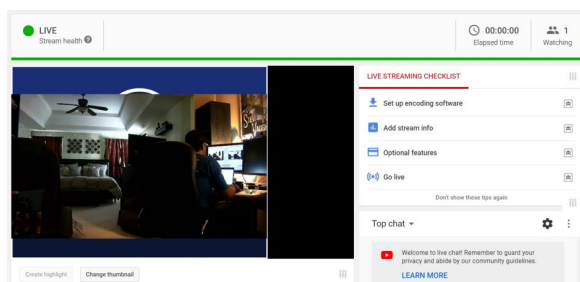


The image shows a web form titled "ENCODER SETUP". It has two input fields: "Server URL" with the text "rtmp://a.rtmp.youtube.com/live2" and "Stream name/key" with a masked password "*****". There is a "Reveal" button next to the password field.

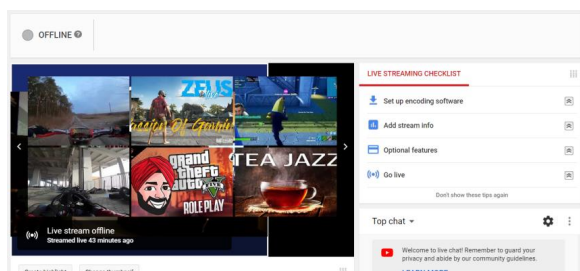
- Next, go back to the TR WebLogin and select *Start Stream*; this will begin the stream to YouTube. You should see a Streaming icon appear to indicate the process has started.



- To verify, go to your YouTube Live Dashboard and verify the video feed from the TR310/333 camera.



- To end the streaming feed from the PTZ camera, go to the WebLogin and select “STOP”.
- To verify on YouTube, go back to your YouTube Live Dashboard, it should now be displaying “OFFLINE”.



- This concludes the AVer TR310/333 Camera Streaming with YouTube setup.

Check the AVer Pro-AV Website for additional support documentation.

<https://www.averusa.com/pro-av/support/>