

AVer TR530, PTZ310/330, and TR3xx/TR3xxV2 Cameras

Streaming with Vimeo

(February 2022)

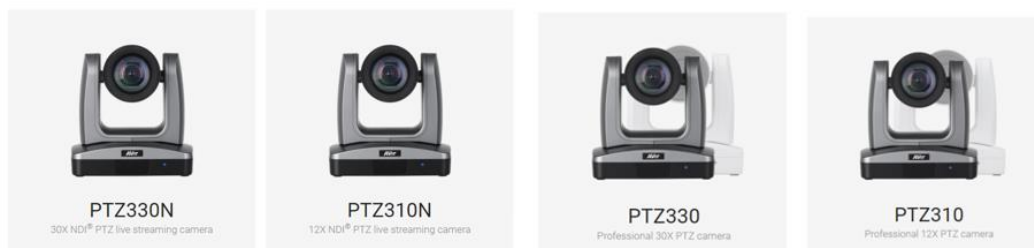
Steps to integrate the AVer TR and PTZ Cameras with Vimeo

AVer Pro-AV has high quality image Cameras (TR530/320, PTZ310/330, TR3xx/TR3xxV2) that will integrate with Vimeo workflows for peak performance and ease of use. We will show the configuration process for these camera lines and Vimeo streaming service. There are some pre-requisites for this to happen, see below.

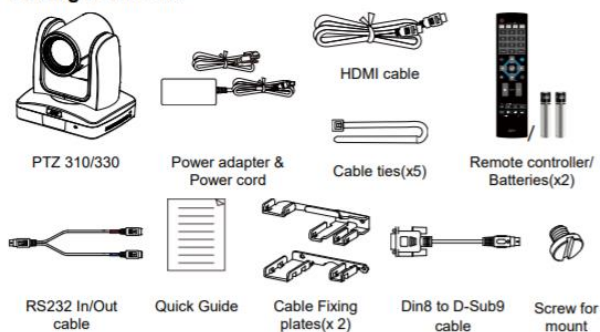
- Chrome Browser, version 79.0.3945.xxx and later.
- Vimeo account.
- Windows 10 Pro OS used in this setup.

PTZ310/330 Camera

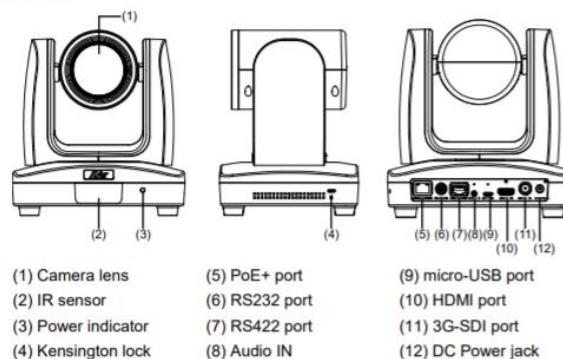
- AVer PTZ330/N Camera and accessories.



Package Contents



Overview

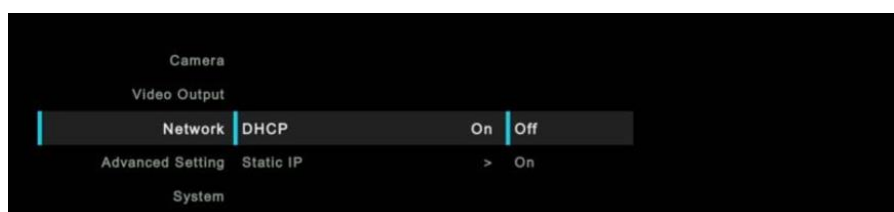


PTZ310/330 Camera RTMP Streaming to Vimeo

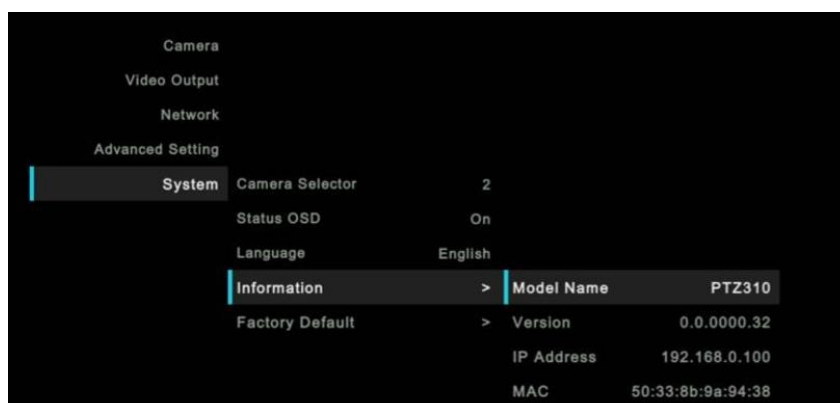
Camera Settings

1. Connect the PTZ310/330 camera via the Network RJ45 connection; verify IP address of Camera 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.

Go to **Camera > DHCP > DHCP >On**.



After turning DHCP on, go to **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

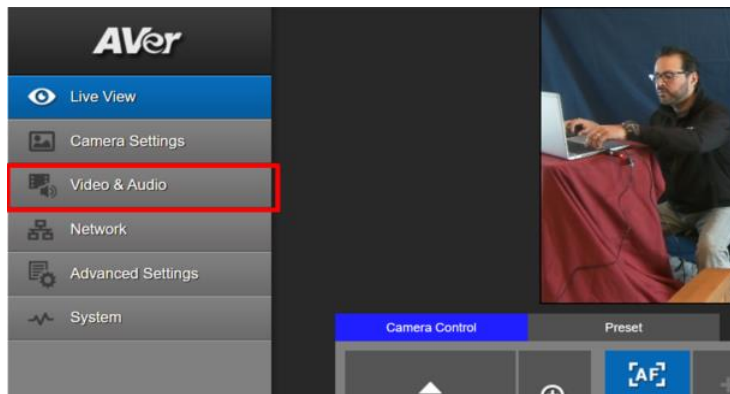
Username

Password

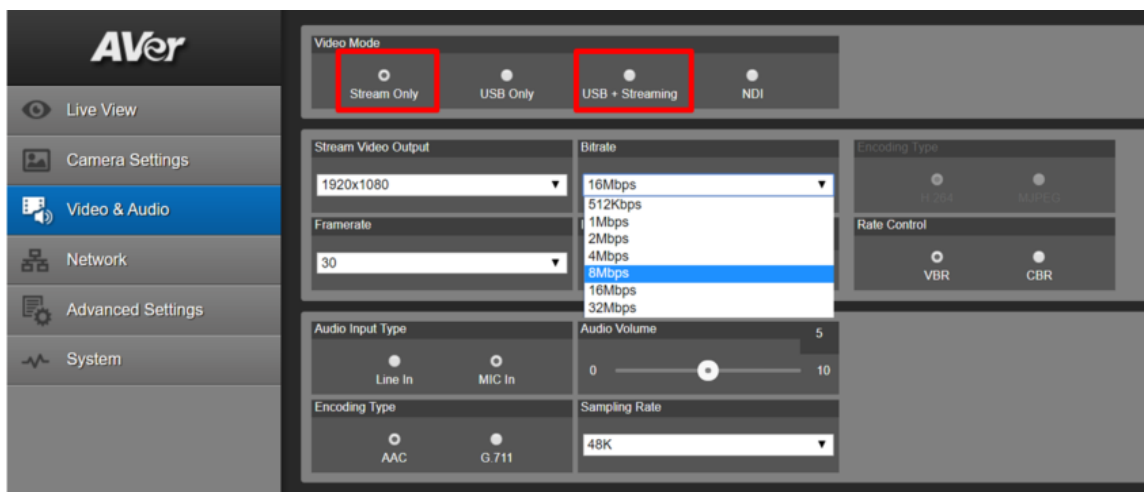
3. The default Username/Password is “administrator” or “admin / admin”.
***Note:** If this is the first time accessing the PTZ330 camera via the Web login it will ask you to change the Username/Password.

PTZ310/330 Camera RTMP Streaming to Vimeo (continued)

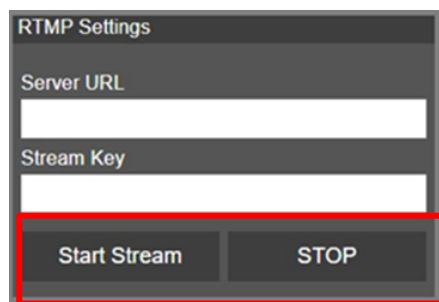
- Next, you should now see the main login screen with a “Live View” of the PTZ Camera.



- Next, after selecting the *Video & Audio* setting, verify that you have either “Stream Only” selected or “USB + Streaming” selected, depending on your setup. Select your Stream Video Output standard, Bitrate, Framerate, Encoding, etc. ***Note:** Some servers require minimum bitrate of 2.5Mbps for their environment.

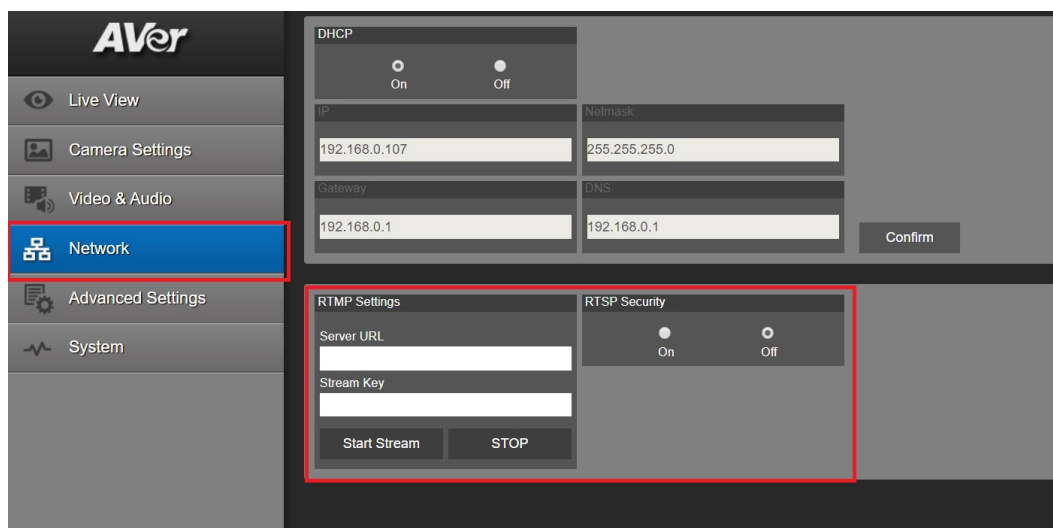


***Note:** Once streaming has started do not change the Stream Video Output on the fly, you will need to “STOP” streaming, change the Stream Video Output, then “Start” the stream again.

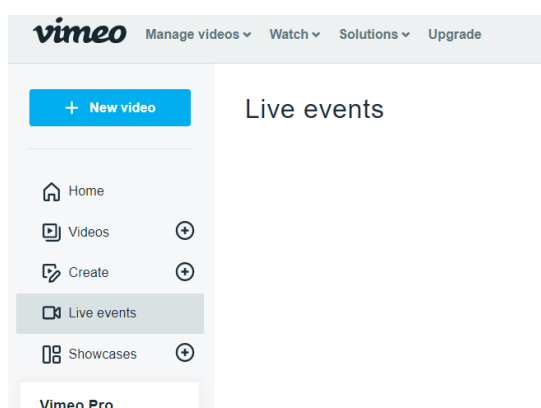


PTZ310/330 Camera RTMP Streaming to Vimeo (continued)

- 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*.

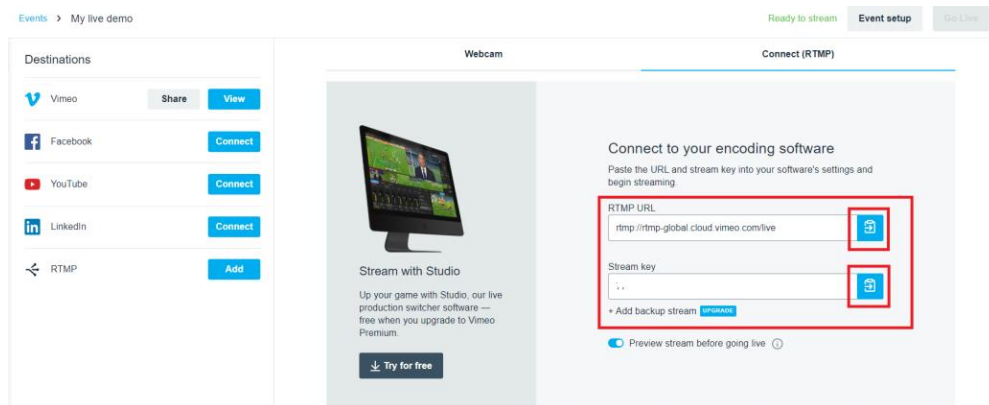


- Next, go to your Vimeo account and login to obtain the *Server URL* and *Stream name/key*. Once obtained, you will copy that information and paste it into the PTZ Camera *Server URL* and *Stream Key* fields.
- Next, select *Live Events*; there you will have different options for “Destinations”, Vimeo, Facebook, YouTube, LinkedIn, and an option to “Add” an RTMP.



PTZ310/330 Camera RTMP Streaming to Vimeo (continued)

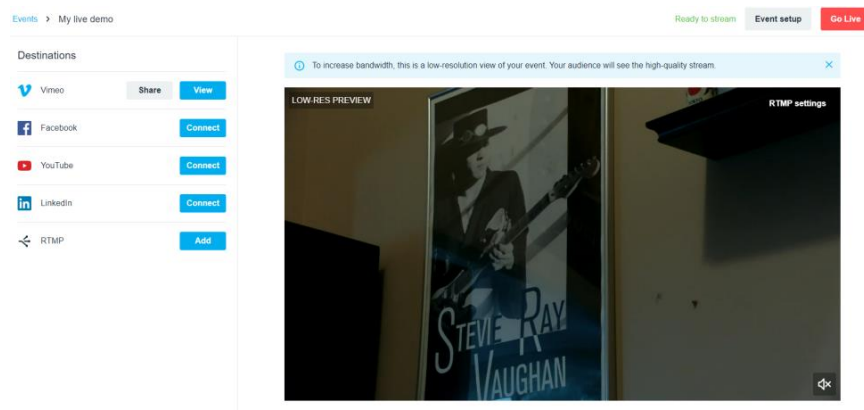
9. There are 2 tabs available, one for *WebCam* and another for *Connect (RTMP)*, select *Connect (RTMP)*.



10. Next, copy *RTMP URL* and *Stream key* information, either by using the Clipboard selection or highlighting and using the keyboard “ctrl-c”.
11. Next, go back to the PTZ WebLogin and select *Start Stream*; this will begin the stream to Vimeo. You should see a Streaming icon appear to indicate the stream process has started.



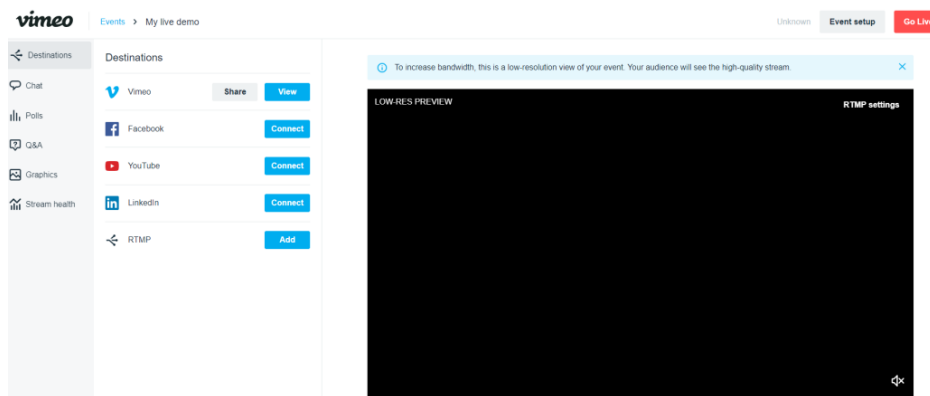
12. To verify, go to your Vimeo account and verify the video feed stream from the PTZ330 camera.



13. To end the streaming feed from the PTZ camera, go to the WebLogin and select “STOP”.

PTZ310/330 Camera RTMP Streaming to Vimeo (continued)

14. To verify on Vimeo, go back to your Vimeo account, it should now be displaying a “Black” screen.



15. This concludes the AVer PTZ310/330 Camera Streaming within the Vimeo environment.

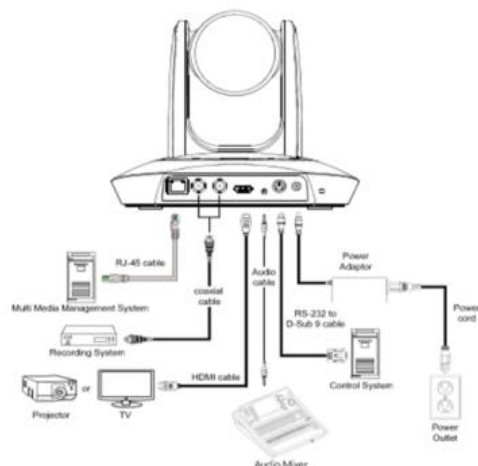
TR320/530 (Tracking) Camera RTMP STREAMING to Vimeo

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

Important Camera Setup

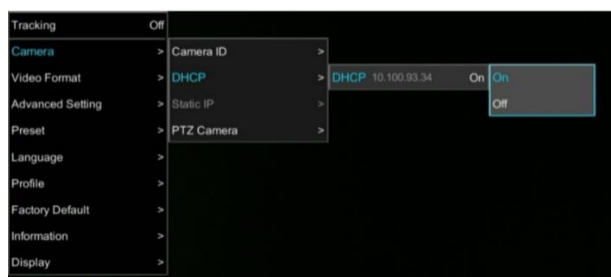
Installation Suggestion:

- 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)

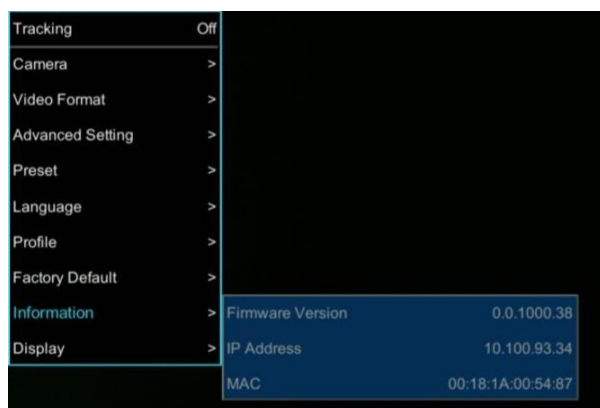


1. Connect the TR530 camera via the RJ45 Network Cat5E (or better) cable; verify IP address of Camera to connect via Web browser. If IP address is not known, locate the remote, select the “Menu” icon and navigate to the “**Camera->DHCP->**” setting, verify DHCP is set to “On” in order to grab an available IP address. If you are reserving IP addresses, verify it is set to “OFF” and that the correct IP address has been set.

Go to **Camera > DHCP > DHCP >On**.

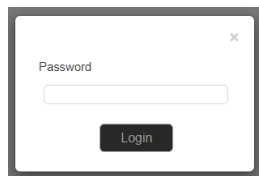


After turning DHCP on, go to **Information** to view the IP address.

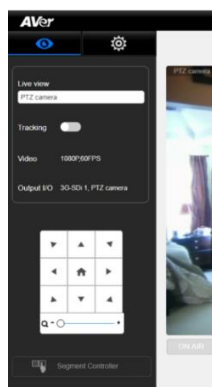



TR320/530 (Tracking) Camera RTMP STREAMING to Vimeo (continued)

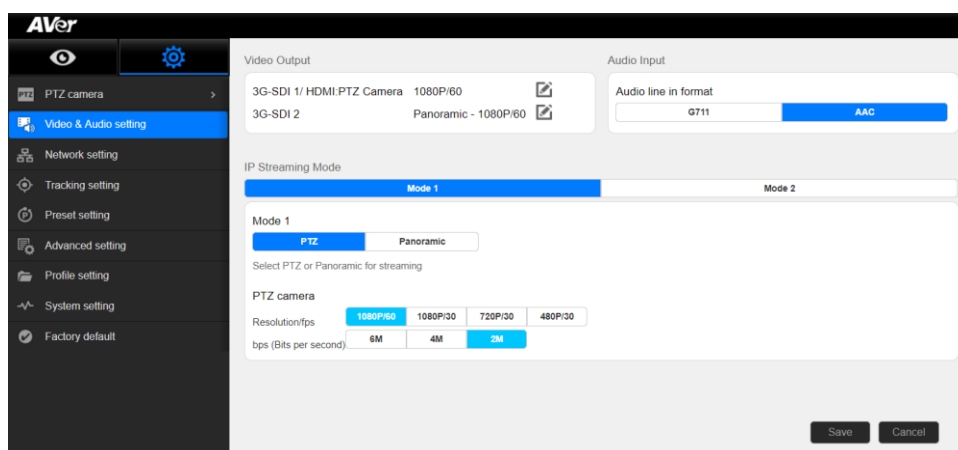
2. Another way to find the Camera IP address (On same Subnet) is to use the AVer IPCam Utility to find the camera. AVer software can be found here:
<https://www.aver.com/download-center>.
3. Next, type the IP address in your Chrome browser (Setup on same subnet) and you should now see a login to the TR320/530 camera shown below.



4. The default password is "admin".
5. Next, you should now see the main login screen with a "Live View" of the PTZ Camera.



6. Next, select the settings gearbox , then select *Video & Audio setting*, this is where you can select Video Output, Audio, and the type of Streaming mode to use and Streaming video standard.



Mode 1: You will use either the PTZ Camera OR Panoramic Camera view for your stream with varying video selections.

Mode 2: There will be 2 simultaneous streams from PTZ and Panoramic views set to (1080p/30) with adjustable **bps** (bits per second) if selected.

TR320/530 (Tracking) Camera RTMP STREAMING to Vimeo (continued)

The screenshot shows the 'IP Streaming Mode' configuration window. At the top, there are two tabs: 'Mode 1' and 'Mode 2', with 'Mode 2' selected. Below the tabs, the 'Mode 2' settings are displayed. Under the 'PTZ camera' section, the 'Resolution' is set to '1080P/30' and 'bps (Bits per second)' has three options: '6.0M' (selected), '3.0M', and '1.5M'. Under the 'Panoramic camera' section, the 'Resolution/fps' is set to '1080P/30' and 'bps (Bits per second)' has three options: '6.0M', '3.0M' (selected), and '1.5M'. At the bottom right, there are 'Save' and 'Cancel' buttons.

7. Next, select *Network Setting*. You should now see the following information displayed.

The screenshot shows the 'Network' configuration window. On the left is a sidebar menu with options: 'PTZ camera', 'Video & Audio setting', 'Network setting' (highlighted), 'Tracking setting', 'Preset setting', 'Advanced setting', 'Profile setting', 'System setting', and 'Factory default'. The main area contains the following settings: 'DHCP enable' is a toggle switch that is turned on; 'IP address' is set to '10' and 'Netmask' is set to '255.255.255.0'; 'Gateway' is set to '10' and 'DNS' is set to '10'. There is an 'Apply' button. Below this is the 'RTMP Server (PTZ)' section with 'Server URL' set to 'rtmp://a.rtmp' and 'Stream Key' set to a masked string. There is a 'Connect' button. At the bottom, there is a text field for 'RTMP (PTZ camera: rtmp://Camera IP:554/live_st1, Panoramic camera: rtmp://Camera IP:8554/live_st2)' and a 'Password Confirmation' toggle switch that is turned off.

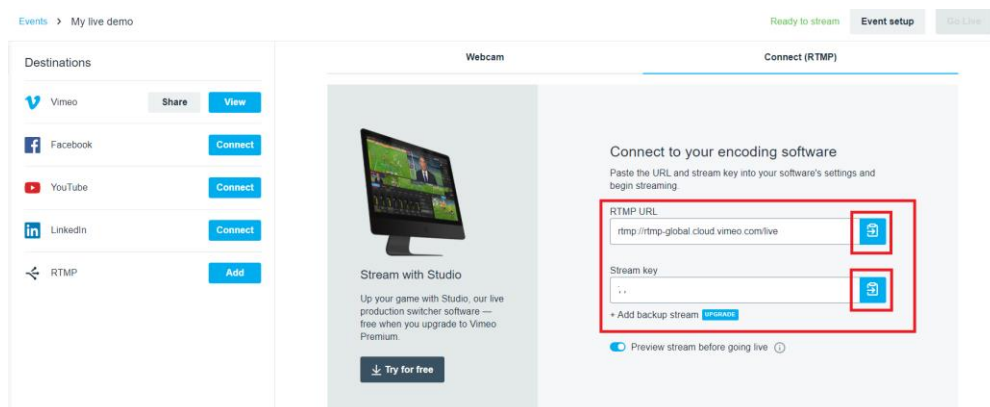
***Note:** It is a good idea to verify the Gateway of your network, this is how the camera stream will access the *WWW*.

8. Next, notice the *RTMP Server URL* selection, this is where you will “paste” the URL string from Vimeo as well as the *Stream Key* from Vimeo.
9. Next, go to your Vimeo account and login, select *Live Events*; there you will have different options for “Destinations”, Vimeo, Facebook, YouTube, LinkedIn, and an option to “Add” an RTMP.

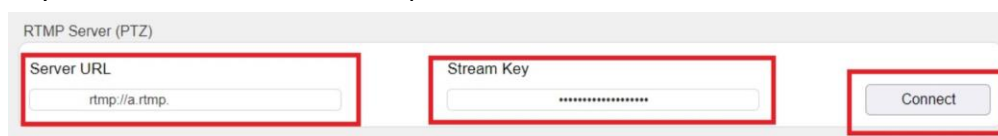
The screenshot shows the Vimeo website interface. At the top, there is a navigation bar with 'vimeo' logo and links: 'Manage videos', 'Watch', 'Solutions', and 'Upgrade'. Below this is a sidebar with a '+ New video' button and a list of options: 'Home', 'Videos', 'Create', 'Live events' (highlighted), and 'Showcases'. The main area is titled 'Live events'.

TR320/530 (Tracking) Camera RTMP STREAMING to Vimeo (continued)

10. There are 2 tabs available, one for *WebCam* and another for *Connect (RTMP)*, select *Connect (RTMP)*.



11. Next, copy *RTMP URL* and *Stream key* information, either by using the Clipboard selection or highlighting and using the keyboard “ctrl-c”.
12. Next, go to the TR Camera WebLogin, *Network Setting*, and paste the Server URL and Stream Key information into the fields provided.

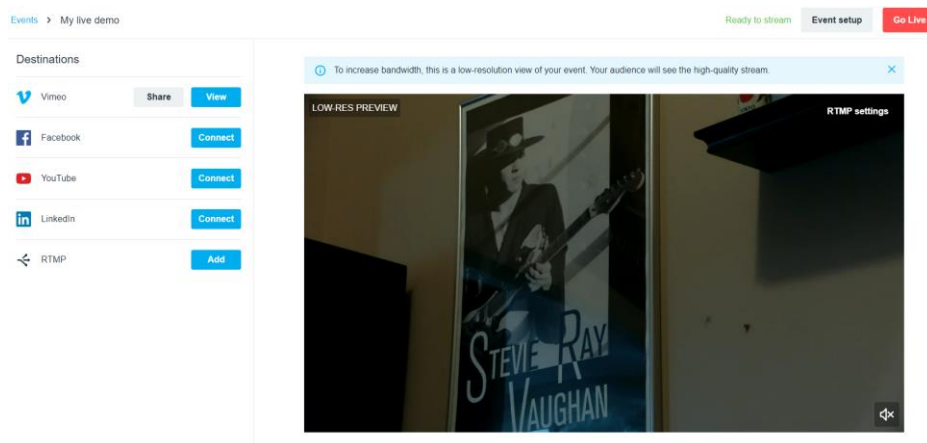


13. Next, to begin the Stream from the TR Camera, select *Connect*, you should see a red “Streaming” text appear, to indicate you are now streaming. This is where you would also “Disconnect” from the stream.

Streaming

Disconnect

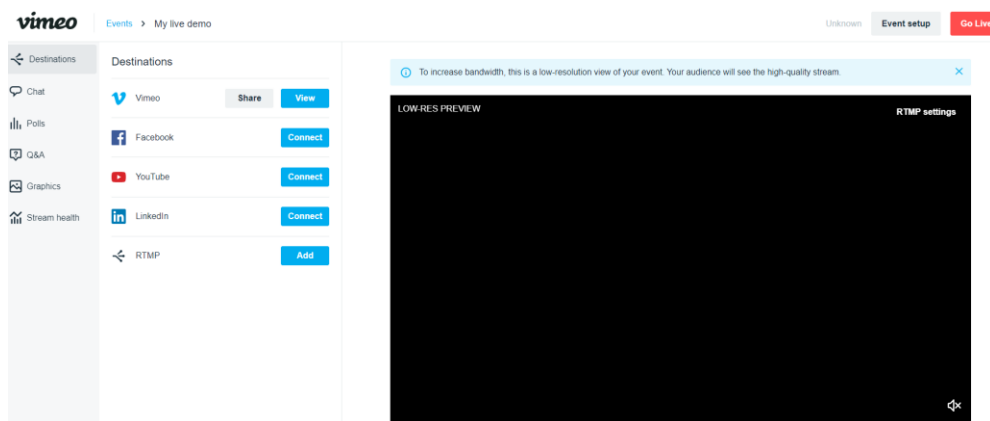
14. To verify, go to your Vimeo Live Dashboard and verify the video feed from the TR320/530 camera.



15. To end the streaming feed from the TR camera, go to the WebLogin and select “Disconnect”.

TR320/530 (Tracking) Camera RTMP STREAMING to Vimeo (continued)

16. To verify on Vimeo, go back to your Vimeo account, it should now be displaying a “Black” screen.



17. This concludes the AVer TR320/530 Camera integration within the Vimeo environment.

TR3xx/TR3xxV2 AI Tracking Camera

AVer has NEW TR AI Tracking cameras available, from the original TR311, TR311HN, TR313, to the NEWER TR313V2 cameras. These cameras use advanced artificial intelligence (AI) technology to effectively track your speaker or Zone track without a dedicated camera operator. All the cameras have the same Tracking Modes and can be setup to stream via RTMP the same way. We will compress the camera models in this document to be TR3xx/TR3xxV2, the process is the same for all the new camera models.

AVer TR3xx Camera and accessories

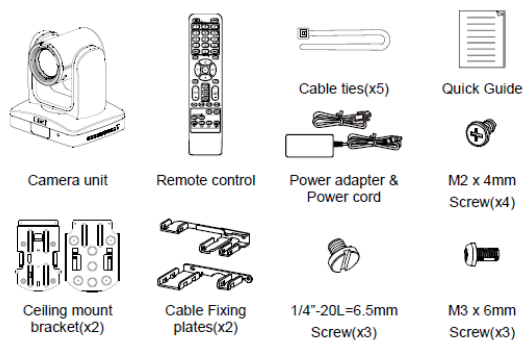
TR311HN

12X NDI® PTZ live streaming camera

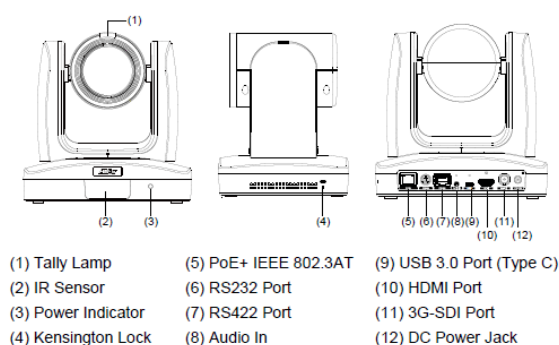
Featuring NEW AI Auto Tracking



Package Contents



Overview



AVer TR3xxV2 Camera

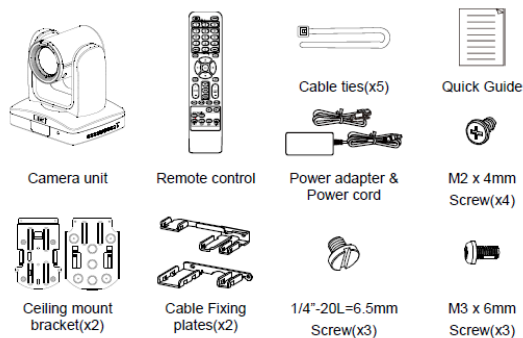
TR313V2

12X Ultra HD PTZ live streaming camera

Featuring NEW AI Auto Tracking



Package Contents

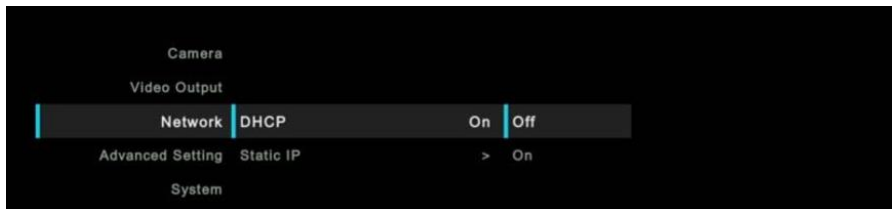


TR3xx/TR3xxV2 Camera RTMP Streaming to Vimeo

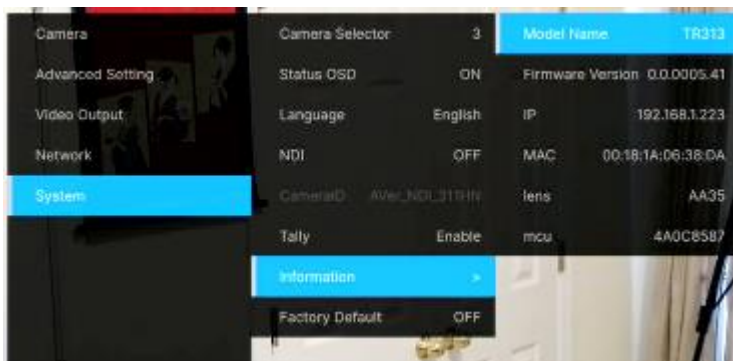
Camera Settings

1. Connect the TR3xx/TR3xxV2 camera via an RJ45 Network Cat5E (or better) connection; verify IP address of Camera to connect via Web browser. If IP address is not known, 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.

Go to **Network > DHCP > On**.



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 TR3xx/TR3xxV2 camera shown below.

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

Username

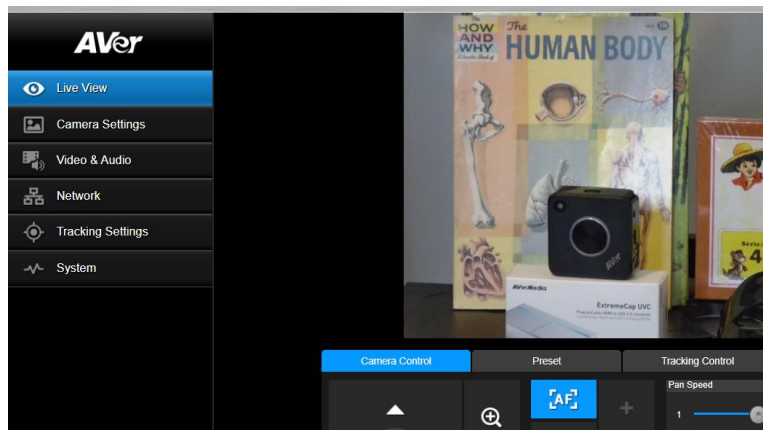
Password

3. The default Username/Password is “administrator” or “admin / admin”.

***Note:** If this is the first time accessing the TR3xx/TR3xxV2 camera via the Web login, it will ask you to change the Username/Password. Please write down the new credentials.

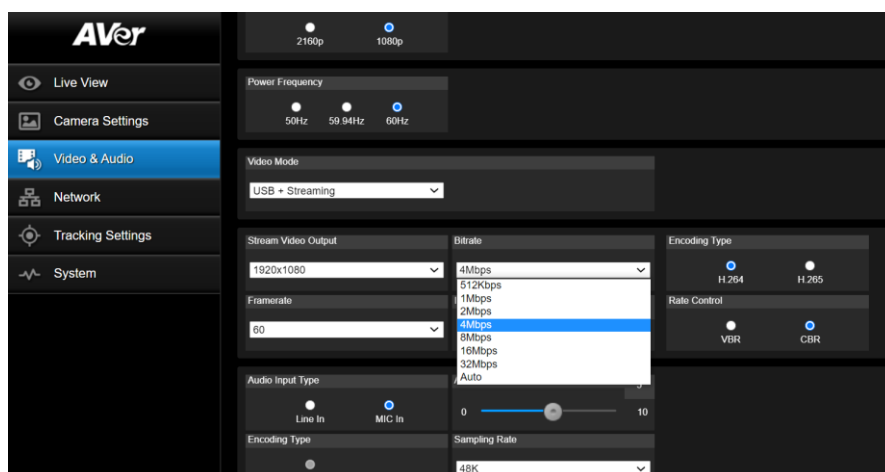
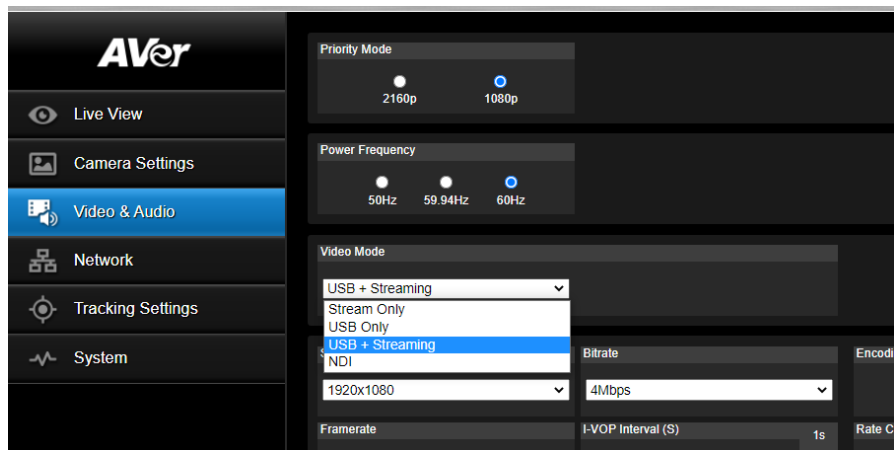
TR3xx/TR3xxV2 Camera RTMP Streaming to Vimeo (continued)

- 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, depending on your setup. Select your Stream Video Output standard, Bitrate, Framerate, Encoding, etc.

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

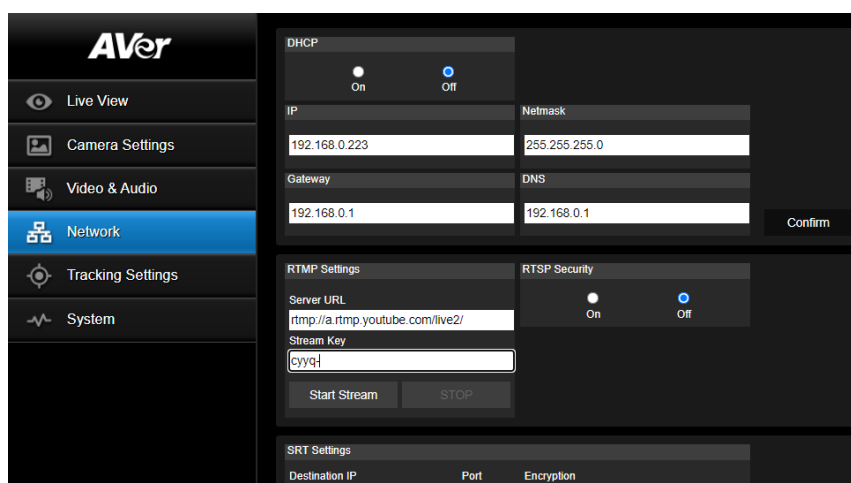


***Note:** Some RTMP servers require a minimum bitrate of 2.5Mbps for their environment.

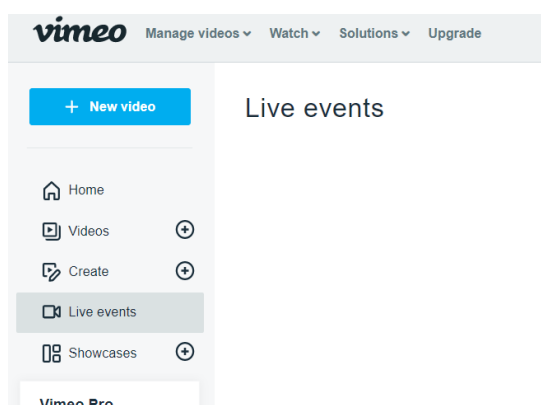
TR3xx/TR3xxV2 Camera RTMP Streaming to Vimeo (continued)

- 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*.

***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.

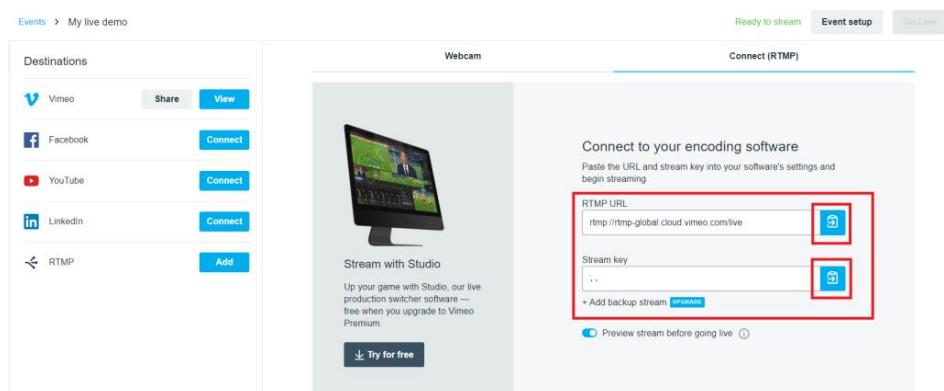


- Next, go to your **Vimeo account** and login to obtain the *Server URL* and *Stream name/key*. Once obtained, you will copy that information and paste it into the TR Camera *Server URL* and *Stream Key* fields.
- Next, select *Live Events*; there you will have different options for “Destinations”, Vimeo, Facebook, YouTube, LinkedIn, and an option to “Add” an RTMP.

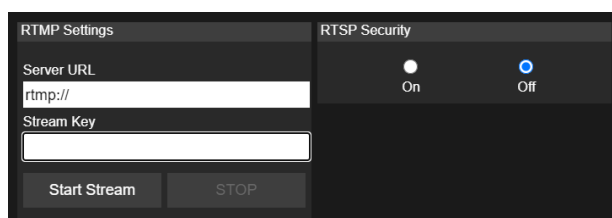


TR3xx/TR3xxV2 Camera RTMP Streaming to Vimeo (continued)

9. There are (2) tabs available, one for *WebCam* and another for *Connect (RTMP)*, select *Connect (RTMP)*.



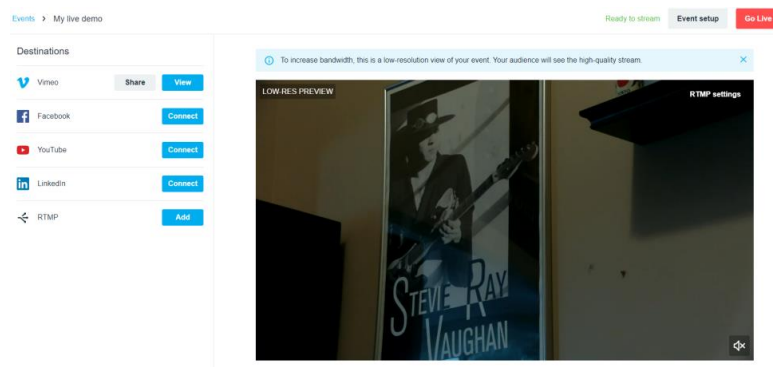
10. Next, copy *RTMP URL* and *Stream key* information, either by using the Clipboard selection or highlighting and using the keyboard “ctrl-c”.



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



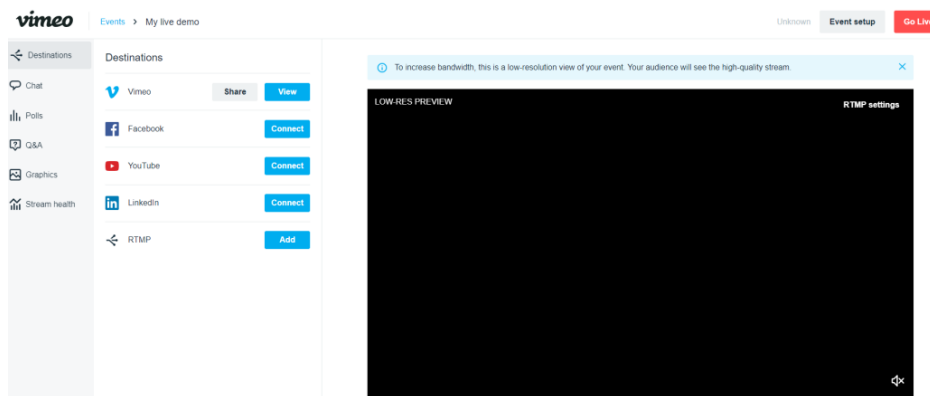
12. To verify, go to your Vimeo account and verify the video feed stream from the TR3xx/TR3xxV2 camera.



13. To end the streaming feed from the TR camera, go to the WebLogin and select “STOP”.

TR3xx/TR3xxV2 Camera RTMP Streaming to Vimeo (continued)

14. To verify on Vimeo, go back to your Vimeo account, it should now be displaying a “Black” screen.



15. This concludes the AVer TR3xx/TR3xxV2 Camera Streaming within the Vimeo environment.

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

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