

AVer TR530 and PTZ 330 Cameras Streaming with YouTube

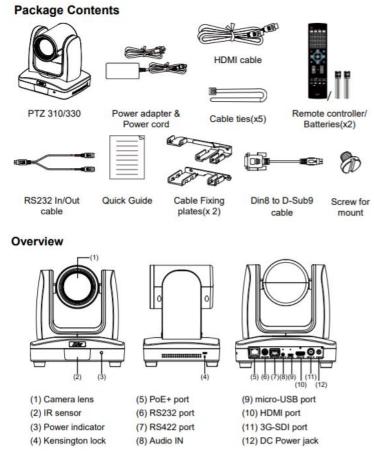
March 2020

Steps to integrate the Aver TR and PTZ Cameras into YouTube

AVer Pro-AV has high quality image Cameras (TR530/320 and PTZ330/310) 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.

PTZ330/310 Camera

• AVer PTZ330/N Camera and accessories.



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

STREAMING from PTZ Camera to YouTube Live

 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.

			Network Advanced Setting System	Camera Selector			
				Comore Colostas			
				Gamera Selector			
				Status OSD	On		
Camera				Language	English		
				Latency Reduction		Model Name	PTZ330-E
Video Output				Power Saving	Off	Version	0.0.0000.51
				Information		IP Address	192.168.0.106
Network DHC	P	On		Factory Default	>	MAC	00:18:1a:04:a4:30
Advanced Setting Stati	ic IP	>					
	STATISTICS AND						
System			-				
			AVer				

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://192.16 Your connect		is not private		
Username				
Password				
			Sign in	Cancel

- 3. The default Username/password is "administrator". *Note: If this is the first time accessing the PTZ330 camera via the Web login it may 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.

AV er	
O Live View	
Camera Settings	Construction of the local division of the lo
Video & Audio	
K Network	
Advanced Settings	
🦗 System	
	013
	Camera Control

 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.

AV er	Video Mode	• •	
Live View	Stream Only USB Only	USB + Streaming NDI	
Camera Settings	Stream Video Output	Bitrate	Encoding Type
Video & Audio	1920x1080 Framerate	BMbps I-VOP Interval (S) 1s	Rate Control
Retwork		I-VOP Interval (S) 1s 1 1	
Advanced Settings	Audio Input Type	Audio Volume 5	
System	Line In MIC In	0	
	Encoding Type	Sampling Rate	
	AAC G.711	48K T	

*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.

6. 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*.

AVer	DHCP On Off		
Live View		Netmask	
Camera Settings	192.168.0.107	255.255.255.0	
Video & Audio		DNS	
器 Network	192.168.0.1	192.168.0.1	Confirm
Advanced Settings	RTMP Settings F	RTSP Security	
System	Server URL	● O On Off	
	Stream Key		
	Start Stream STOP		

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	Reveal

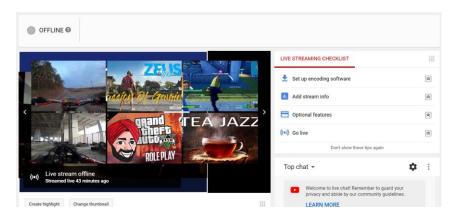
8. Next, go back to the PTZ WebLogin and select *Start Stream*; this will begin the stream to YouTube. You should see a Streaming icon appear to indicate the process has started.

RTMP Settings		RTSP Security			
Server URL	(0)	•	0		
rtmp://a.rtmp.youtube	00m/l'	On	Off		
Stream Key					
<i>.</i>					
Start Stream	STOP				

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

LIVE Stream health @	O 00:00:00 Elapsed time	¥1 Watching
	LIVE STREAMING CHECKLIST	
	👱 Set up encoding software	(
	Add stream info	*
	Optional features	
	((•)) Go live	*
	Don't show these tips again	
	Top chat 👻	¢ :
	Welcome to live chat! Remember to guard privacy and abide by our community guide	
Create highlight Change thumbnail	LEARN MORE	

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



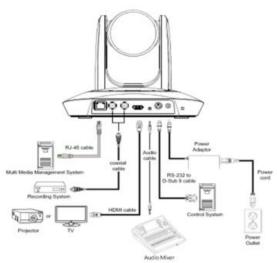
12. This concludes the AVer PTZ330 Camera Streaming with YouTube setup.

STREAMING from TR (Tracking) Camera to YouTube Live

1. Connect the TR530/320 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)



 Connect the TR530/320 camera via Network connection; verify IP address of Camera in order to connect via browser. 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".

Tracking	Off	Bin Alder March March	L.A.	OR	6
Camera	>	Camera ID	>	THE CHARTER FRAME R	
Video Format	>	DHCP	>	DHCP 192	On
Advanced Setting	>	Static IP	>		
Preset	>	PTZ Camera	>		
Language	>				
Profile	>				
Factory Default	\$				
Information	,	-			
Display		>			

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 TR530 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 *Network Setting*. You should now see

the following information displayed.

AVer			
•	Network		
PTZ PTZ camera >	DHCP enable	Netmask	
Video & Audio setting	10, , , , , , , , , , , , , , , , , , ,	255 . 255 . 255 . 0	
据 Network setting			
Tracking setting	Gateway	DNS	
Preset setting			Apply
C Advanced setting	RTMP Server (PTZ)		
Frofile setting	Server URL	Stream Key	
-V- System setting	rtmp://a.rtmp		Connect
Factory default	RTSP (PTZ camera: rtsp://Camera IP.554/live_st1; Password Confirmation	; Panoramic camera: rtsp://Camera IP:8554/live_st2)	

Ö

- 7. 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.

ENCODER SETUP	1	
Server URL	1	
rtmp://a.rtmp.youtube.com/live2 Stream name/key		
	Reveal	

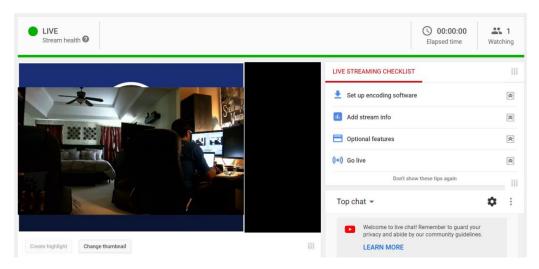
9. Next, go to the TR Camera WebLogin, *Network Setting*, and paste the Server URL and Stream Key information into the fields provided.

		RTMP Server (PTZ)
	Stream Key	Server URL
Connect		rtmp://a.rtmp.
C		rtmp://a.rtmp.

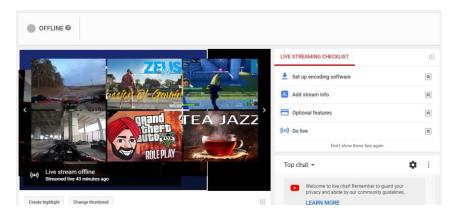
 Next, to begin the Stream from the TR Camera, select *Connect*, you should see a red "Streaming" text appear, to indicate you are now streaming. This is where you would also "Disconnect" from the stream.



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.