

**#CONNECTBETTER**

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# About AVer

AVer is an award-winning provider of video and collaboration solutions that improve productivity and enrich lives. Our Pro AV product portfolio includes cutting-edge auto tracking cameras and PTZ cameras to serve any presentation, training or lecture environments. We strive to provide industry leading product quality, service and support that exceeds our customer's expectations. We are also deeply committed to our community, the environment and employ stringent green processes in all we do. Learn more at [pro.averusa.com](http://pro.averusa.com).





# Why AVer

From the moment you meet AVer we want to make sure that your experience with us is easy, enjoyable and satisfying. From our sales, operations, accounting to our warehousing and technical support teams, we strive to go above and beyond what's expected every step of the way. With our free US based, live phone email and chat technical support, free product training and unrivaled warranties, AVer serves as your partner rather than simply your vendor.

### AVerCare Warranty Protection

AVerCare delivers industry-leading 5 or 3 year\* warranty with Advanced Replacement and 24-hour turnaround time in the first year. We strive to provide industry leading product quality, service and support so you're always up and running!



\* 5-year protection is included only on "V2" Pro AV cameras and the MT300N as of August 16, 2023. Optional 2-year extended warranty is available for purchase on 3-year warranty covered products only.

### TAA and NDAA Compliant

AVer Pro AV cameras and accessories that are TAA and NDAA Compliant include the models MD330 Series, TR333V2, TR323NV2, TR313V2, TR311HWV2, TR530+, TR530, TR320, PTZ310UNV2, PTZ310UV2, PTZ330UNV2, PTZ330UV2, PTZ330, PTZ330W, PTZ330N, PTZ310, PTZ310W, PTZ310N, and MT300N. TAA refers to the Trade Agreements Act (19 U.S.C. & 2501-2581), which is intended to foster fair and open international trade. AVer PTZ and TR cameras are designed for use as part of video systems which comply with NDAA 2019, Section 889. We can provide full Certificate of Origin information for any of our products.



### Pro Evaluation Program

Buying a professional video system is no small task. Let us make evaluating our Auto Tracking and PTZ cameras a little easier. Our no risk 30 day Pro Evaluation Program allows you to try out any of our Pro AV cameras before you buy. If you wish to purchase we will work with a partner to fulfill your order. If not, we provide return shipping at no cost.



# AUTO TRACKING CAMERAS

AVer Professional Auto Tracking Cameras support IP streaming and deliver professional video broadcasts without the need for a videographer to track your target!

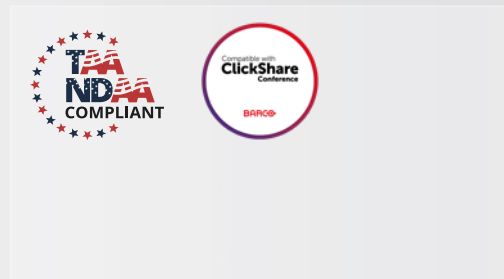
# TR315

12X 4K AI  
Auto Tracking Camera

Windows, Mac OS

- 3 Auto Tracking Modes
- Voice Tracking
- 30X Optical Zoom
- 4K Ultra HD
- 3G-SDI/HDMI/IP/USB Output
- 8 MP Picture

<b>Tracking Modes</b> 3	<b>Optical Zoom</b> 12X+ OPTICAL	<b>Outputs</b> HDMI 3G-SDI IP USB
<b>Resolution</b> Ultra HD 4K	<b>Supports PoE+</b>	<b>WDR</b>



\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones



Aver SKU: PATR315V3

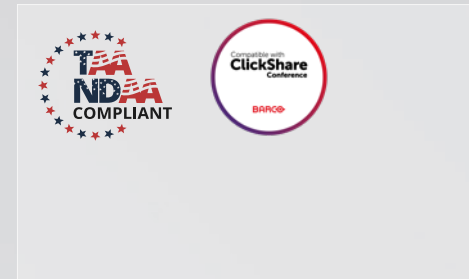
# TR335

30X 4K AI  
Auto Tracking Camera

Windows, Mac OS

- 3 Auto Tracking Modes
- Voice Tracking
- 30X Optical Zoom
- 4K Ultra HD
- 3G-SDI/HDMI/IP/USB Output
- 8 MP Picture

<b>Tracking Modes</b> 3	<b>Optical Zoom</b> 30X+ OPTICAL	<b>Outputs</b> HDMI 3G-SDI IP USB
<b>Resolution</b> Ultra HD 4K	<b>Supports PoE+</b>	<b>WDR</b>



\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones



Aver SKU: PATR335V3

# TR323NV2

21X 4K NDI AI  
Auto Tracking Camera

## Windows, Mac OS

- 3 Auto Tracking Modes
- Voice Tracking\* and Gesture Control
- 21X Optical Zoom
- 4K Ultra HD
- 3G-SDI/HDMI/IP/USB Output
- Supports NDI/HX2 and SRT Protocol

Tracking Modes 3	Optical Zoom 21X+ OPTICAL	Outputs HDMI 3G-SDI IP USB
Resolution Ultra HD 4K	Supports PoE+	WDR

SRT READY	ClickShare Conference BARCO	NDI   HX
NDI COMPLIANT	zoom Certified	

\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones

AVer SKU: PATR323NV2



AVer SKU: PVTR3HWV2

# TR311HWV2

12X HD AI  
Auto Tracking Camera

## Windows, Mac OS

- 3 Auto Tracking Modes
- Voice Tracking\* and Gesture Control
- 12X Optical Zoom
- Full HD 1080p60
- HDMI/IP/USB Output
- Supports PoE+

Tracking Modes 3	Optical Zoom 12X+ OPTICAL	Outputs HDMI USB IP
Resolution Full HD 1080p60	Supports PoE+	WDR

SRT READY	ClickShare Conference BARCO	NDI   HX Upgradable
NDI COMPLIANT	zoom Certified	

\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones

# TR530+

30X Dual Lens  
Auto Tracking Camera

Windows, Mac OS

- 3 Unique Tracking Modes
- Voice Tracking\*
- 30X Optical Zoom
- Secondary 120° FOV Panoramic Camera
- 3G-SDI/HDMI/IP/USB 2.0 Type B Output
- Supports PoE+

Tracking Modes 3	Optical Zoom 30X+ OPTICAL	Outputs HDMI USB IP
Resolution Full HD 1080p60	FOV 120°	Supports PoE+



\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones



AVer SKU: PAVTR530P

AVer SKU: PATR313V2



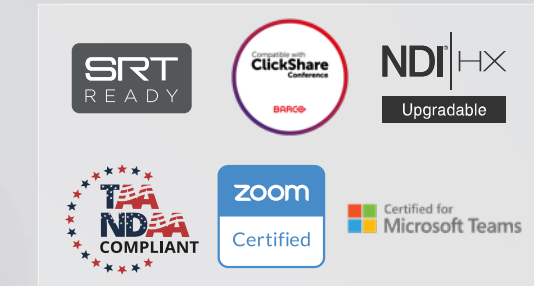
# TR313V2

12X 4K AI  
Auto Tracking Camera

Windows, Mac OS

- 3 Auto Tracking Modes
- Voice Tracking\* and Gesture Control
- 12X Optical Zoom
- 4K Ultra HD
- 3G-SDI/HDMI/IP/USB Output
- Supports PoE+

Tracking Modes 3	Optical Zoom 12X+ OPTICAL	Outputs HDMI 3G-SDI IP USB
Resolution Ultra HD 4K	Supports PoE+	WDR



\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones

# PTZ CAMERAS

AVer Professional PTZ Cameras support IP streaming and empower users to easily create excellent quality video from setup to showtime.



# PTZ330UNV2

30X 4K AI NDI PTZ Camera

## Windows, Mac OS

- Advanced Preset Tracking
- Voice Tracking\*
- 30X Optical Zoom
- 4Kp60
- HDMI/IP/NDI HX2/USB/3G-SDI Output
- Supports PoE+

PTZ 	Optical Zoom 30X+ OPTICAL	Outputs 5 Output
Resolution Ultra HD 4K	IP Streaming 	Supports PoE+ 

		NDI HX3

\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones



# PTZ330UV2

30X 4K AI PTZ Camera

## Windows, Mac OS

- Advanced Preset Tracking
- Voice Tracking\*
- 30X Optical Zoom
- 4Kp60
- HDMI/IP/USB/3G-SDI Output
- Supports PoE+

PTZ 	Optical Zoom 30X+ OPTICAL	Outputs 5 Output
Resolution Ultra HD 4K	IP Streaming 	Supports PoE+ 


\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones



# PTZ310UNV2

12X 4K AI NDI PTZ Camera

## Windows, Mac OS

- Advanced Preset Tracking
- Voice Tracking\*
- 12X Optical Zoom
- 4Kp60
- HDMI/IP/NDI HX2/USB/3G-SDI Output
- Supports PoE+

PTZ 	Optical Zoom 12X+ OPTICAL	Outputs 5 Output
Resolution Ultra HD 4K	IP Streaming 	Supports PoE+ 

SRT READY  
Certified for ClickShare Conference  
NDI HX3  
TIA COMPLIANT

\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones



AVer SKU: PT310UNV2

# PTZ310UV2

12X 4K AI PTZ Camera

## Windows, Mac OS

- Advanced Preset Tracking
- Voice Tracking\*
- 12X Optical Zoom
- 4Kp60
- HDMI/IP/USB/3G-SDI Output
- Supports PoE+

PTZ 	Optical Zoom 12X+ OPTICAL	Outputs 5 Output
Resolution Ultra HD 4K	IP Streaming 	Supports PoE+ 

SRT READY  
Certified for ClickShare Conference  
TIA COMPLIANT

\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones



AVer SKU: PTZ310UV2

# PTZ231

30X HD AI PTZ Camera

## Windows, Mac OS

Advanced Preset Tracking

Voice Tracking\*

30X Optical Zoom

Full HD 1080p60

HDMI/IP/USB/3G-SDI Output

Supports PoE+

AI Functions



Optical Zoom



Multi-Stream



Resolution



Megapixels



Supports PoE+



\*With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones



AVer SKU: PTPTZ231W

# PTZ211

12X HD AI PTZ Camera

## Windows, Mac OS

Advanced Preset Tracking

Voice Tracking\*

12X Optical Zoom

Full HD 1080p60

HDMI/IP/USB/3G-SDI Output

Supports PoE+

AI Functions



Optical Zoom



Multi-Stream



Resolution



Megapixels



Supports PoE+



\* With PTZ Link/MT300N and select Shure, Sennheiser, Yamaha, Nureva, ClearOne, Audio-Technica and Biamp (Q2/2024) microphones







AVer SKU: PTPTZ211W



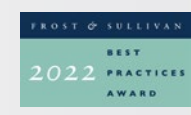



# MD330U

Medical Grade PTZ Camera with LED  
30X 4K Detachable Head with  
Embedded Audio

Windows, Mac OS

30X Optical Zoom
4K Ultra HD
Handheld LCamera Head
One-click Pan-Tilt
One-button Snapshot
LED for Illumination

Optical Zoom <b>30X+</b> OPTICAL	Handheld Head 	One-Click Pan-Tilt 
Resolution <b>Ultra HD</b> <b>4K</b>	One-button Snapshot 	Illumination 



Versatile medical grade cameras (IEC 60601-1-2) for patient monitoring and telehealth conferencing.






# MD330UI

Medical Grade PTZ Camera with Infrared  
30X 4K Detachable Head with  
Embedded Audio

Windows, Mac OS

30X Optical Zoom
4K Ultra HD
Handheld Camera Head
One-click Pan-Tilt
IR for Night View

Optical Zoom <b>30X+</b> OPTICAL	Handheld Head 	One-Click Pan-Tilt 
Resolution <b>Ultra HD</b> <b>4K</b>	IR for Night View 	





		
		



# CL01

## PTZ Professional Camera Controller

- Pan/Tilt/Zoom Speed Control
- Operate 255 PTZ Cameras
- 3 Infinite Rotation Knobs
- Supports RS-422/RS-485/RS-232/IP Control
- Built-in VISCA, SONY VISCA, Pelco P/D, UDP Protocols
- 1 Year Warranty

Speed Control 	Quick Access 	Rotation Knobs 
Control Interfaces RS-232 RS-422 RS-485 IP	VISCA Pelco-D/P VISCA Pelco-D Pelco-P	Warranty 

# MT300N

NDI® Matrix Tracking Box

Integrated Voice Tracking

Multi-Camera Switching

2 HDMI & 2 USB Type B

Supports NDI | HX2 Protocol

Built-in PTZ Link Premium

Supports PoE+

Voice Tracking    Camera Switching    2HDMI & 2USB-B



Support NDI | HX2



Built-in

PTZ Link  
Premium

Supports PoE+



AVer SKU: PATMT300N



# PTZ Management

Easy to Use and Efficient Central Management Tool

Windows 10, Windows 11

Control up to 256 Cameras

User-Friendly Interface

Remote Camera Management

Easily Update Devices

Works with All AVer PTZ and TR Cameras



# CaptureShare

Easily Record Video, Livestream, and Capture Still Images

## Windows & MAC

Annotate, Record Video, Live Stream, and Capture Images

Manage Camera Controls via USB

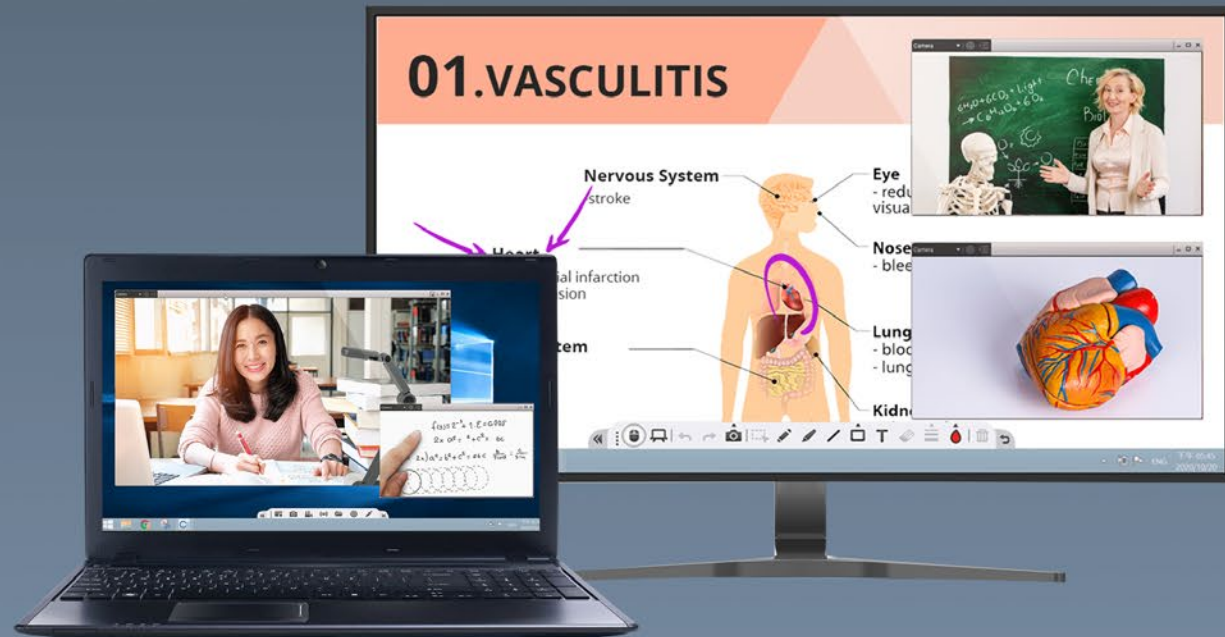
Works with AVer PTZ and Select TR Cameras

Works with Select AVer Document Cameras



**Premium Version Available!**

AVer SKU: PTLINKPRE



# PTZ Control Panel

Use iPad or iPhone to Control AVer PTZ Cameras Through the Network

## iOS® v9 or above, iPadOS® v11 or above

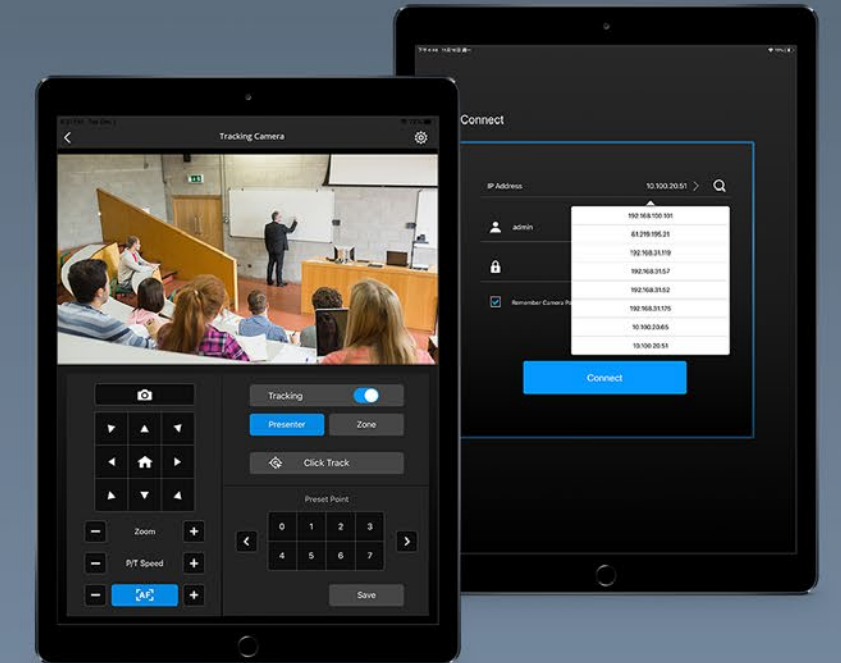
Control Common PTZ and Focus Functions Over Network

Enable and Disable Tracking

Instantly Find and Connect to AVer TR and PTZ Cameras

Save and Call Up to 256 Preset Points

Capture Camera Images and Save to The Album





# PTZ Link

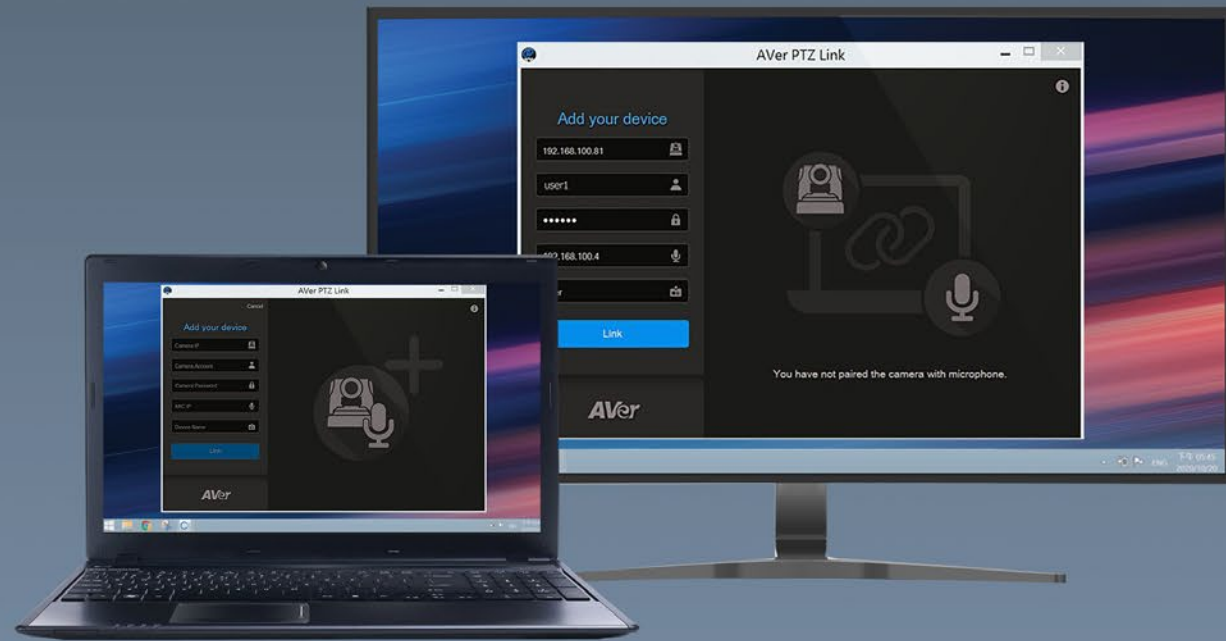
Easily Add Voice Tracking Functionality  
Premium Version Available!

## Windows & MAC

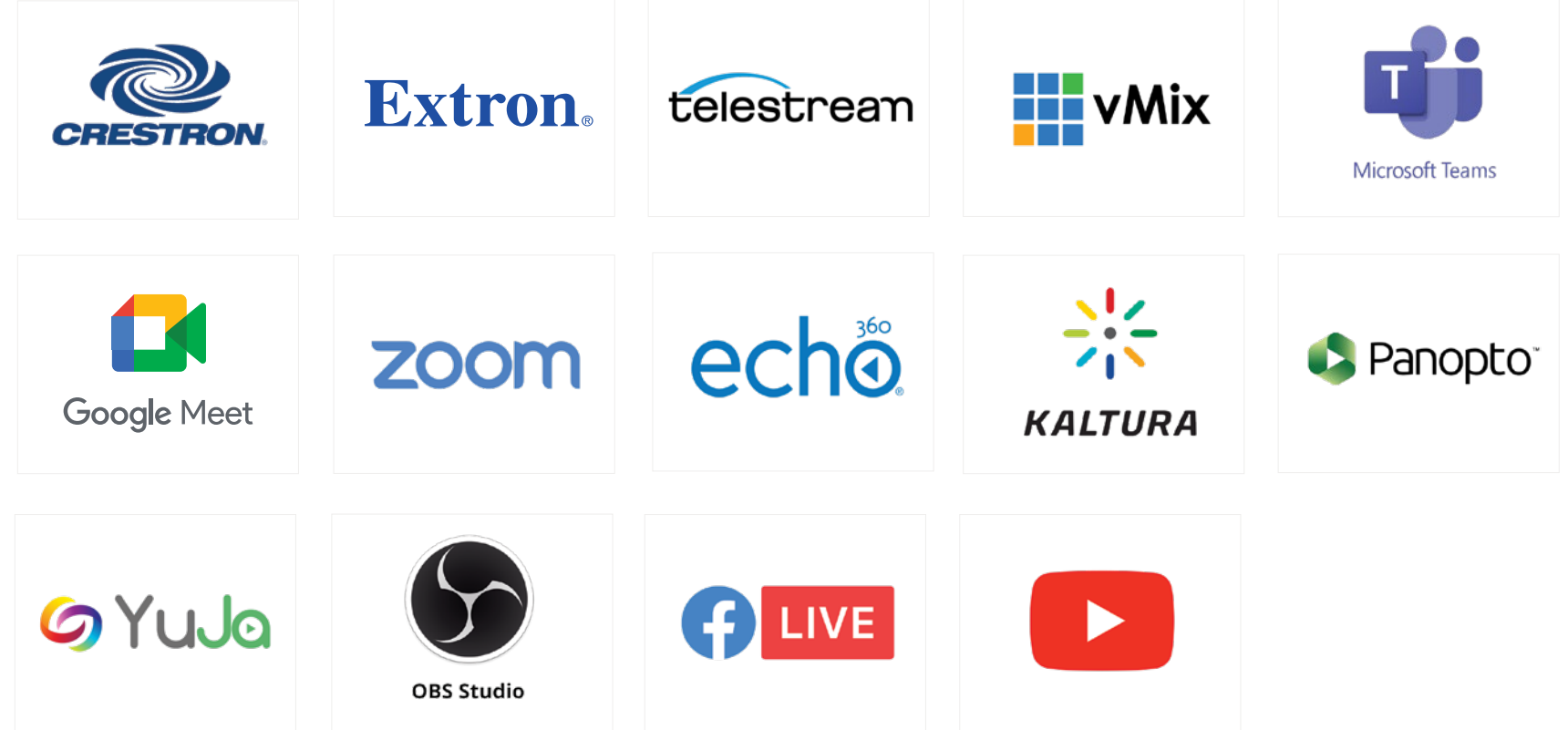
Voice Tracking to Preset
IP Based Control
Multi-Camera Switching (Premium on Windows )
USB Auto Switching
Windows and Mac laptops and desktops



Combine AVer Pro AV cameras, PTZ Link software and select audio systems from these leading brands for voice tracking!



# AVer Cameras Are Compatible with Popular Streaming Platforms



# Specifications

		TR315	TR335	TR323NV2	TR311HWV2
<b>Part Number</b>		PATR315V3	PATR335V3	PTR323NV2	PATR3HWV2
<b>PTZ Camera</b>	Effective Picture Elements	8 Megapixels	8 Megapixels	8 Megapixels	2 Megapixels
	Output Resolution	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/26	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/26	Resolution: 1080P/720P Frame Rate: 60/59.94/50/30/29.97/25
	Optical Zoom	12X	30X	21X	12X
	HFOV (Wide)~(Tele)	70° ~ 6°	62.3° ~ 2.5°	65.1° ~ 2.34°	70° ~ 6°
<b>Panoramic Camera</b>	Effective Picture Elements	—	—	—	—
	Output Resolution	—	—	—	—
	HFOV	—	—	—	—
<b>Camera</b>	Pan/Tilt Rotation	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)
	Pan/Tilt Speed	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec	0.1°~100° / sec
	Preset Speed	200° / Sec	200° / Sec	200° / Sec	200° / Sec
	Output Interface	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	HDMI, IP, USB
	USB Video Format	MJPEG	MJPEG	MJPEG, YUV	MJPEG, YUY2
	UVC	UVC1.1	UVC1.1	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0	UAC1.0	UAC1.0
	Control Interface	RS232, RS422, Ethernet	RS232, RS422, Ethernet	RS232, RS422, IP	RS232, RS422, Ethernet
	Network Protocol	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP
	Control Protocol	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
<b>Auto Tracking Functions</b>	Presenter, Zone, Hybrid, Gesture Control	Presenter, Zone, Hybrid, Gesture Control	People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	
<b>Package Contents</b>	Remote Control, 12V Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Mount(x2), Guide	Remote Control, 12V Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Mount(x2), Guide	IR Remote Control, 12V/5A Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Quick Guide	IR Remote Control, 12V/5A Power Adapter, Din8 to D-Sub9 Cable, RS232 in/out Cable, Quick Guide	
<b>Software</b>	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	
<b>PoE+</b>	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	
<b>NDI Protocol</b>	No	No	Yes	Upgradable	
<b>SRT Protocol</b>	No	No	Yes	Yes	

TR530+	TR313V2	PTZ310UNV2	PTZ310UV2
PAVPTR530P	PATR313V2	PT310UNV2	PTZ310UV2
2 Megapixels	8 Megapixels	8 Megapixels	8 Megapixels
Up to Full HD 1080P at 60fps	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25
30X	12X	12X	12X
67° ~ 2.3°	70° ~ 6°	72.1° ~ 6.3°	72.1° ~ 6.3°
2 Megapixel CMOS	—	—	—
Up to Full HD1080P at 60fps	—	—	—
110°	—	—	—
Pan: -175° (Left), +175° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)
2°~50° / sec	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec
160° / Sec	200° / Sec	200° / Sec	200° / Sec
3G-SDI*1, HDMI*1, IP(RJ45), USB*1	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
—	MJPEG, YUV	MJPEG, YUY2	MJPEG, YUY2
—	UVC1.1	UVC1.1	UVC1.1
—	UAC1.0	UAC1.0	UAC1.0
RS232, IP(RJ45)	RS232, RS422, IP	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP
RTSP, RTMP, ONVIF	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
VISCA, Pelco-D, Pelco-P	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
Wide Area Tracking, Stage Tracking, Segment Tracking, Voice Tracking	People Tracking (half or full body), Zone Tracking, Hybrid Tracking, Voice Tracking, Gesture Control	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking
IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, Quick Guide	IR Remote Control, 12V/5A Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Quick Guide	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties
CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link
PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)
No	Upgradable	Yes	No
No	Yes	Yes	Yes

	PTZ330UNV2	PTZ330UV2
<b>Part Number</b>	PT330UNV2	PTZ330UV2
<b>PTZ Camera</b>	Effective Picture Elements	8 Megapixels
	Output Resolution	Resolution: 4K*/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25
	Optical Zoom	30X
	HFOV (Wide)~(Tele)	62.3° ~ 2.5°
<b>Panoramic Camera</b>	Effective Picture Elements	—
	Output Resolution	—
	HFOV	—
<b>Camera</b>	Pan/Tilt Rotation	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)
	Pan/Tilt Speed	0.1° ~ 100°/Sec
	Preset Speed	200° / Sec
	Output Interface	3G-SDI, HDMI, IP, USB
	USB Video Format	MJPEG, YUV2
	UVC	UVC1.1
	UAC	UAC1.0
	Control Interface	RS232, RS422, PELCO-P, IP
	Network Protocol	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
	Control Protocol	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
<b>Auto Tracking Functions</b>	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking
<b>Package Contents</b>	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties
<b>Software</b>	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link
<b>PoE+</b>	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)
<b>NDI Protocol</b>	Yes	No
<b>SRT Protocol</b>	Yes	Yes

PTZ231	PTZ211	MD330U/MD330UI
PTPTZ231W	PTPTZ211W	PATMD330U, PAMD330UI
2 Megapixels	2 Megapixels	8 Megapixels
Resolution: 1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	4K/30(IP/UVC); 1080P/60,59.94,50,30, 29.97,25; 1080i/60,50; 720P/60,59.94,50
30X	12X	30X
62.3° ~ 2.5°	62.3° ~ 2.5°	65.1° ~ 2.34°
—	—	—
—	—	—
—	—	—
Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: ±170° Tilt: +90° / -35°
0.1° ~ 100°/Sec	0.1° ~ 100°/Sec	0.1°~100° / Sec
200° / Sec	200° / Sec	200° / Sec
3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	HDMI, IP, USB
MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2
UVC1.1	UVC1.1	UVC1.1
UAC1.0	UAC1.0	UAC1.0
RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP	RS232, IP
IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP
VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA(RS-232/IP), Pelco-D & Pelco-P(RS-232), CGI(IP)
SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame
Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties, HDMI Cable	Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, Screws, Remote Control, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties, HDMI Cable	Remote Control, Power Adapter, Power Cord, Screws(x2), USB Cable, Quick Guide
CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link	CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link
PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	No
No	No	No
Yes	Yes	No



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AVer Information Inc. Americas [averusa.com](https://averusa.com). 44061 Nobel Drive, Fremont, CA 94538 Toll Free 1.877.528.7824

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