AVer

#**CONNECT**BETTER

Table of Contents

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.
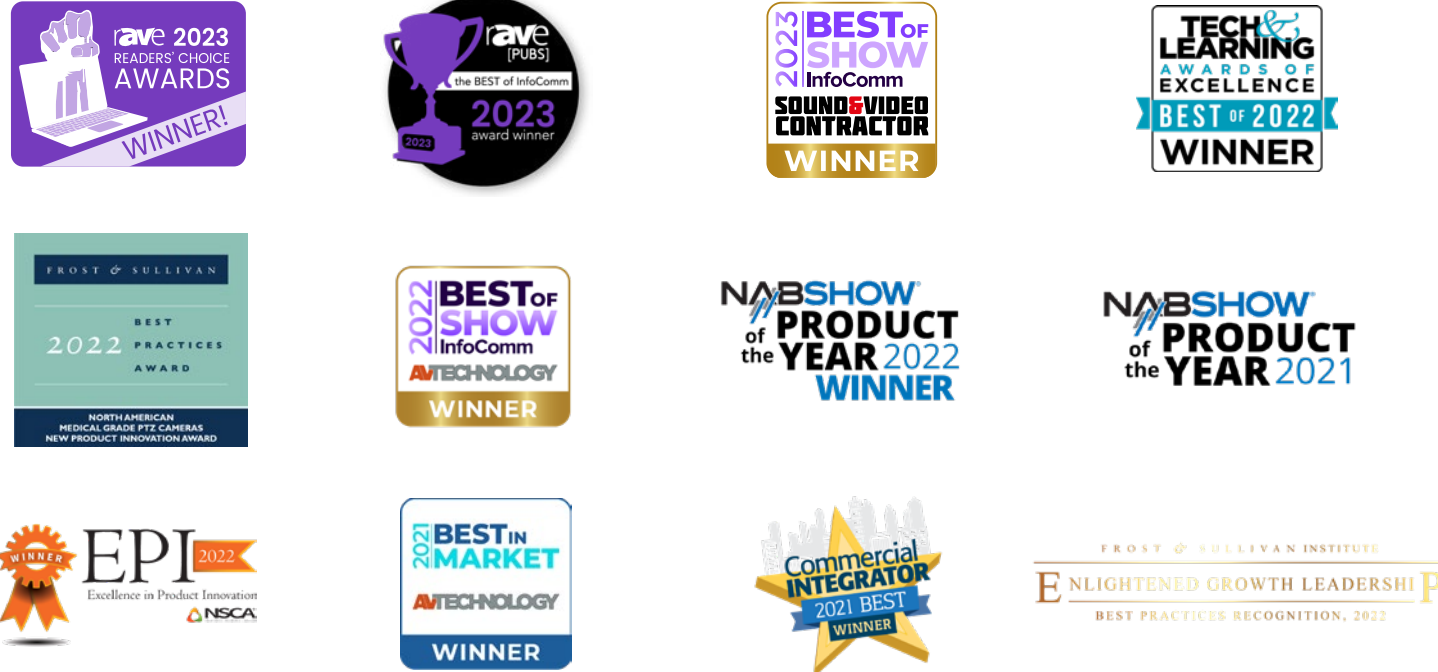
Why AVer

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!

TR333V2

**30X 4K AI
Auto Tracking Camera**

Windows, Mac OS

3 Auto Tracking Modes

Voice Tracking∗ and Gesture Control

30X Optical Zoom

4K Ultra HD

3G-SDI/HDMI/IP/USB Output

Supports PoE+

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

SRT READY · ClickShare Conference BARCO · NDI HX Upgradable

TAA NDAA COMPLIANT · zoom Certified · TAA NDAA

∗With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

AVer SKU: PATR333V2

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

SRT READY · ClickShare Conference BARCO · NDI HX

TAA NDAA COMPLIANT · zoom Certified

∗With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

AVer SKU: PATR323NV2

TR313V2

12X 4K AI
Auto Tracking Camera

AVer SKU: PATR313V2

Windows, Mac OS

3 Auto Tracking Modes

Vocie Tracking* and Gesture Control

12X Optical Zoom

4K Ultra HD

3G-SDI/HDMI/IP/USB Output

Supports PoE+

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

With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

TR311HWV2

12X HD AI
Auto Tracking Camera

AVer SKU: PVTR3HWV2

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	Optical Zoom	Outputs
3	12X+ OPTICAL	HDMI USB IP
Resolution	**Supports PoE+**	**WDR**
Full HD 1080p60		
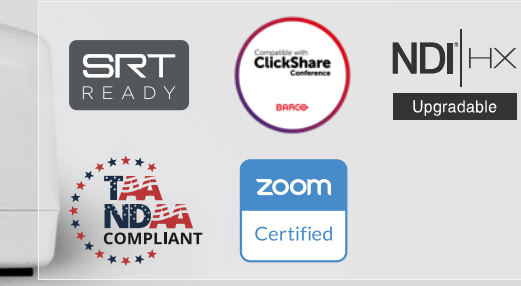
With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

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

ClickShare Conference BARCO

TAA NDAA COMPLIANT

*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

RJ45　USB　3G-SDI　HDMI　Line in　RS232　DC 12V

AVer SKU: PAVTR530P

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

SRT READY · ClickShare Conference BARCO · NDI HX3

TAA NDAA COMPLIANT

AVer SKU: PT330UNV2

*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica 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	Outputs
PTZ	30X+ OPTICAL	5 Output
Resolution	IP Streaming	Supports PoE+
Ultra HD 4K		

SRT READY · ClickShare Conference BARCO · TAA NDAA COMPLIANT

*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

AVer SKU: PTZ330UV2

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

SRT READY · ClickShare Conference BARCO · NDI HX3

TAA NDAA COMPLIANT

AVer SKU: PT310UNV2

*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

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

SRT READY · ClickShare Conference BARCO · TAA NDAA COMPLIANT

* With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

AVer SKU: PTZ310UV2

PTZ330W

Professional 30X PTZ Camera

AVer SKU: PAPTZ330W

Windows, Mac OS

Preset Zone Motion Tracking
Voice Tracking*
30X Optical Zoom
Full HD 1080p60
3G-SDI/HDMI/IP/USB Output
Supports PoE+

PTZ	Optical Zoom	Outputs
PTZ	30X+ OPTICAL	4 Output
Resolution	**IP Streaming**	**Supports PoE+**
Full HD 1080p60		

SRT READY | ClickShare Conference BARCO | NDI|HX Upgradable

TAA NDAA COMPLIANT

*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

PTZ310W

Professional 12X PTZ Camera

Windows, Mac OS

Preset Zone Motion Tracking
Voice Tracking*
12X Optical Zoom
Full HD 1080p60
3G-SDI/HDMI/IP/USB Output
Supports PoE+

PTZ	Optical Zoom	Outputs
PTZ	12X+ OPTICAL	4 Output
Resolution	**IP Streaming**	**Supports PoE+**
Full HD 1080p60		

SRT READY | ClickShare Conference BARCO | NDI|HX Upgradable

TAA NDAA COMPLIANT | ZOOM Certified

PoE+ RS232 RS422 AUDIO USB HDMI 3G-SDI DC 12V

AVer SKU: PAPTZ310W

* With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

PTZ330N
30X NDI PTZ Live Streaming Camera

Windows, Mac OS

Preset Zone Motion Tracking
Voice Tracking*
30X Optical Zoom
Full HD 1080p60
HDMI/SDI/NDI-IP/USB Output
Supports NDI/HX2 & SRT Protocol

PTZ	Optical Zoom	Outputs
PTZ	30X+ OPTICAL	4 → Output
Resolution	**IP Streaming**	**Supports PoE+**
Full HD 1080p60		

SRT READY · ClickShare Conference · NDI HX

TAA NDAA COMPLIANT

*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

AVer SKU: PAPTZ330N

AVer SKU: PAPTZ310N

PTZ310N
12X NDI PTZ Live Streaming Camera

Windows, Mac OS

Preset Zone Motion Tracking
Voice Tracking*
12X Optical Zoom
Full HD 1080p60
HDMI/SDI/NDI-IP/USB Output
Supports NDI/HX2 & SRT Protocol

PTZ	Optical Zoom	Outputs
PTZ	12X+ OPTICAL	4 → Output
Resolution	**IP Streaming**	**Supports PoE+**
Full HD 1080p60		

SRT READY · ClickShare Conference · NDI HX

TAA NDAA COMPLIANT · zoom Certified

*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica microphones

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	Handheld Head	One-ClickPan-Tilt
30X+ OPTICAL		
Resolution	One-button SnapShot	Illumination
Ultra HD 4K		LED

AVer SKU: PATMD330U

Versatile medical grade cameras (EN60601-1-2) 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	Handheld Head	One-Click Pan-Tilt
30X+ OPTICAL		
Resolution	IR for Night View	
Ultra HD 4K		

AVer SKU: PATMD330UI

AVer SKU: PTCAMCTRL

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
	255	
Control Interfaces	VISCA Pelco-D/P	Warranty
RS-232 RS-422 RS-485 IP	VISCA Pelco-D Pelco-P	1 Yr

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
		4 Output
Support NDI	HX2	Built-in PTZ Link Premium	Supports PoE+
NDI|HX		

TAA NDAA COMPLIANT

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
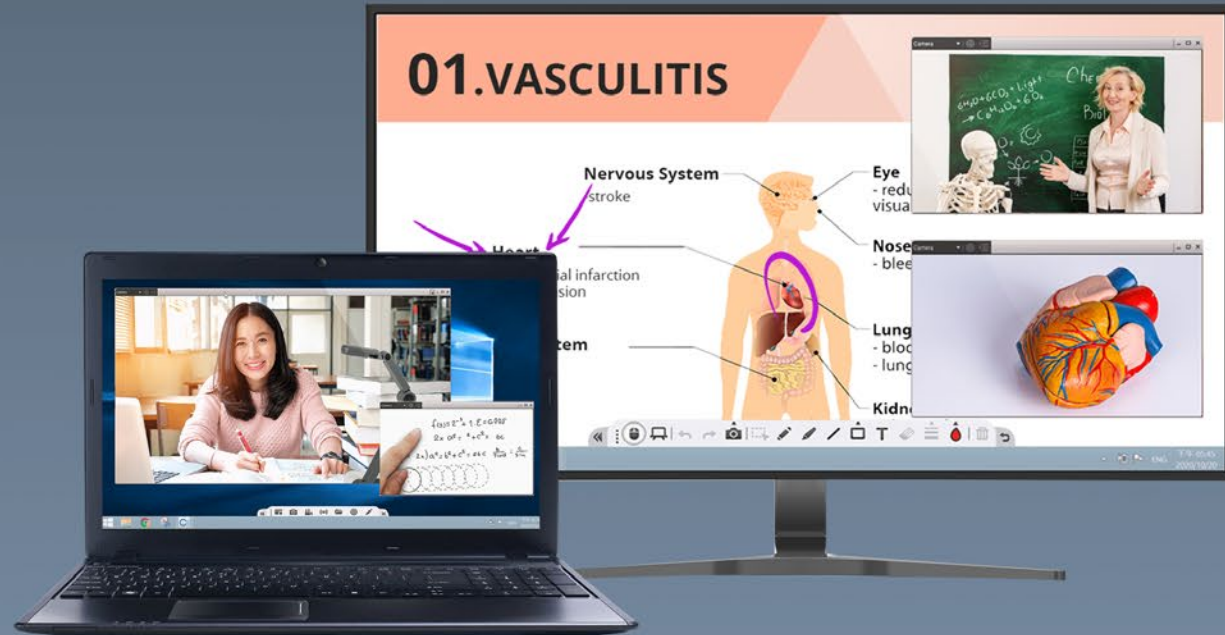
PTZ Control Panel

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
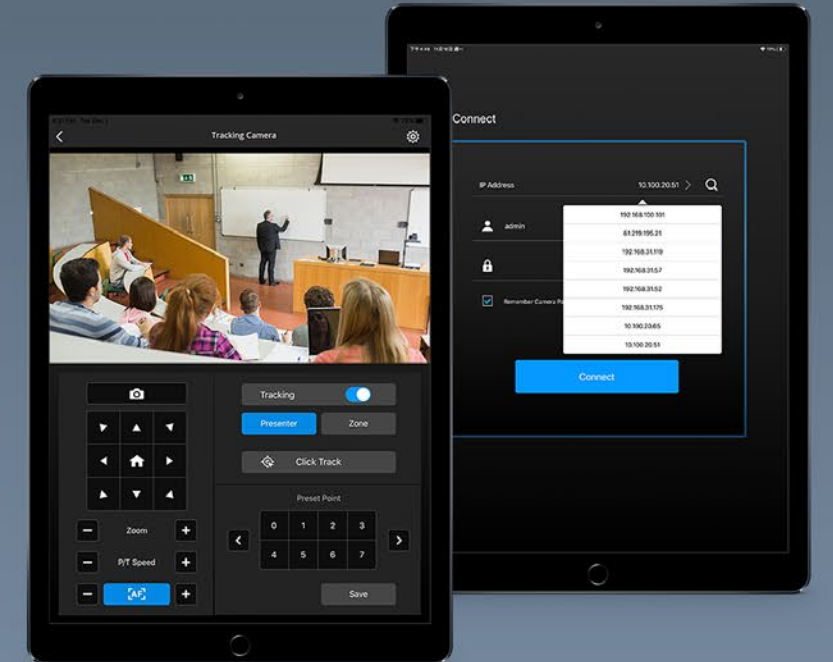
PTZ Link
Easily Add Voice Tracking Functionality
Premium Version Available!

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!

SENNHEISER · SHURE · nureva · YAMAHA · ClearOne · audio-technica *always listening.*
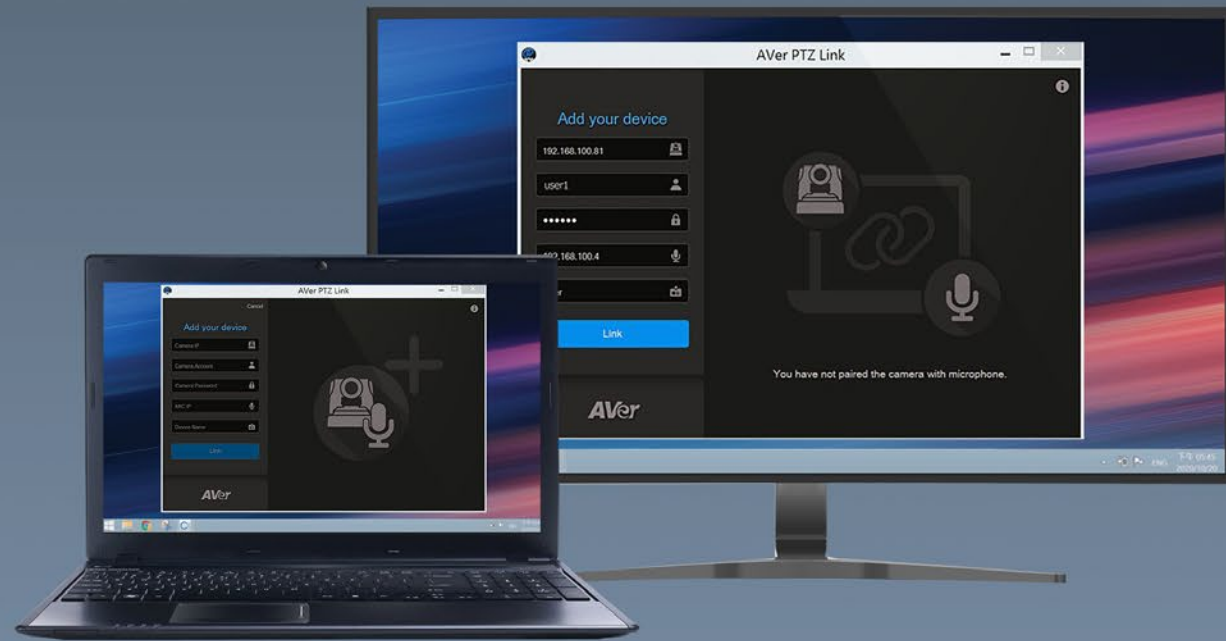
AVer Cameras Are Compatible with Popular Streaming Platforms

CRESTRON · Extron · telestream · vMix · Microsoft Teams

Google Meet · zoom · echo 360 · KALTURA · Panopto

YuJa · OBS Studio · LIVE · YouTube
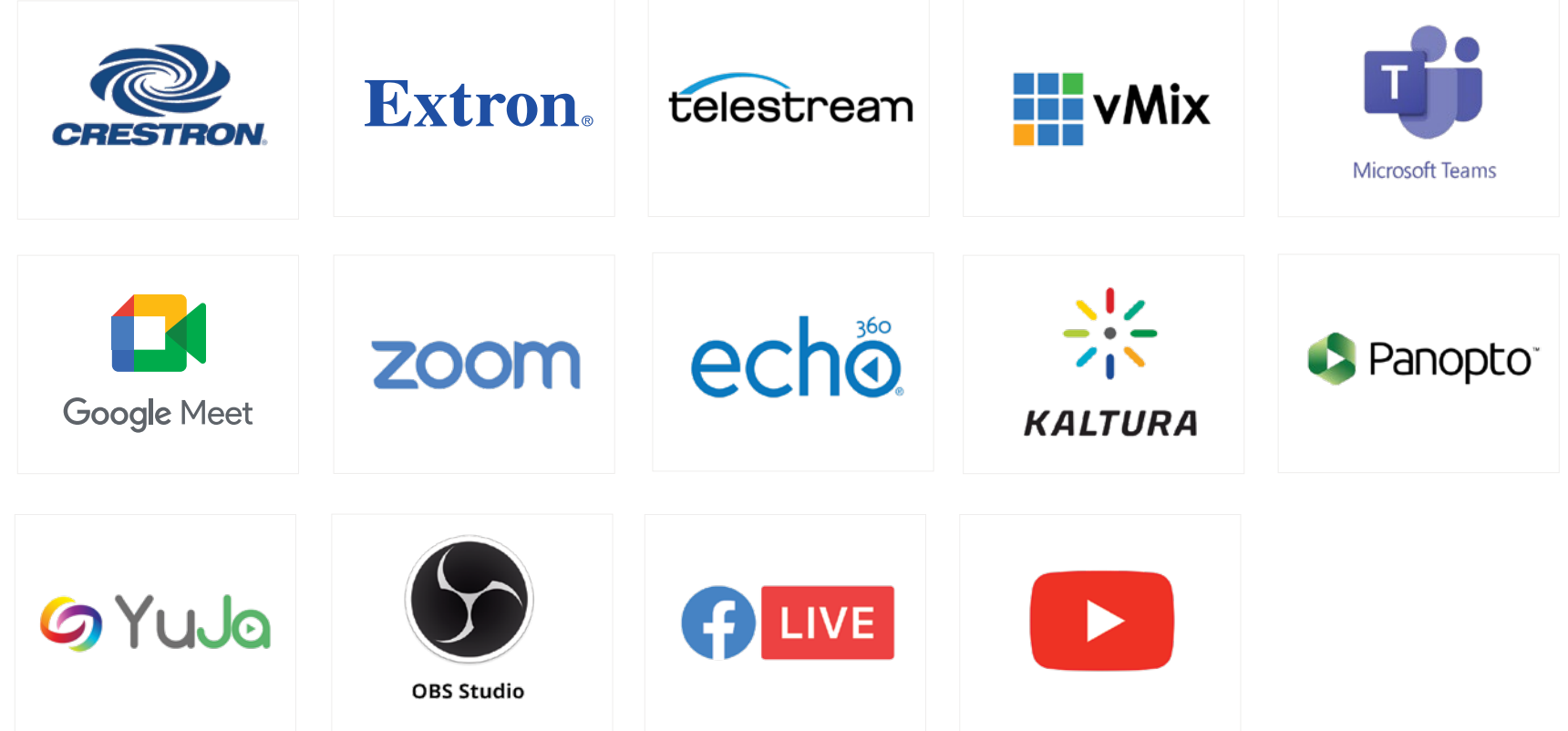
Specifications

		TR333V2	TR323NV2	TR313V2	TR311HWV2
Part Number		PATR333V2	PTR323NV2	PATR313V2	PATR3HWV2
PTZ Camera	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: 60/59.94/50/30/29.97/25	Resolution: 1080P/720P Frame Rate: 60/59.94/50/30/29.97/25
	Optical Zoom	30X	21X	12X	12X
	HFOV (Wide)~(Tele)	65.1° ~ 2.34°	65.1° ~ 2.34°	70° ~ 6°	70° ~ 6°
Panoramic Camera	Effective Picture Elements	–	–	–	–
	Output Resolution	–	–	–	–
	HFOV	–	–	–	–
Camera	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, YUV	MJPEG, YUV	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, IP	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, Ethernet
	Network Protocol	IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP	IPv6, IPv4, TCP, UDP, ARP, IMCP, 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)
Auto Tracking Functions		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	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
Package Contents		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, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Quick 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
Software		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+		PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)
NDI Protocol		Upgradable	Yes	Upgradable	Upgradable
SRT Protocol		Yes	Yes	Yes	Yes

	TR530+	PTZ330W	PTZ310W	PTZ330N	PTZ310N	MD330U/MD330UI
	PAVPTR530P	PAPTZ330W	PAPTZ310W	PAPTZ330N	PAPTZ310N	PATMD330U, PAMD330UI
	2 Megapixels	2 Megapixels	2 Megapixels	2 Megapixels	2 Megapixels	8 Megapixels
	Up to Full HD 1080P at 60fps	Up to Full HD1080P at 60fps	Up to Full HD1080P at 60fps	Up to Full HD1080P at 60fps	Up to Full HD1080P at 60fps	4K/30(IP/UVC); 1080P/60,59.94,50,30, 29.97,25; 1080i/60,50; 720P/60,59.94,50
	30X	30X	12X	30X	12X	30X
	67° ~ 2.3°	67° ~ 2.7°	72.1° ~ 6.6°	67° ~ 2.7°	72.1° ~ 6.6°	65.1° ~ 2.34°
	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)	Pan: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)	Pan: ±170° Tilt: +90° / -35°
	2°~50° / sec	0.1°~100° / Sec	0.1°~100° / Sec	0.1°~100° / Sec	0.1°~100° / Sec	0.1°~100° / Sec
	160° / Sec	200° / Sec	200° / 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	3G-SDI, HDMI, IP, USB	HDMI, IP, USB
	–	MJPG, YUV	MJPG, YUV	MJPG, YUV	MJPG, YUV	MJPEG, YUY2
	–	UVC1.1	UVC1.1	UVC1.1	UVC1.1	UVC1.1
	–	UAC1.0	UAC1.0	UAC1.0	UAC1.0	UAC1.0
	RS232, IP(RJ45)	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, IP	RS232, IP
	RTSP, RTMP, ONVIF	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, VISCA over IP	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, VISCA over IP	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, VISCA over IP	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTPS, HTTP, DHCP, RTP/RTCP, RTSP, VISCA over IP	IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP
	VISCA, Pelco-D, Pelco-P	VISCA, Pelco-D, Pelco-P, CGI	VISCA, Pelco-D, Pelco-P, CGI	VISCA, Pelco-D, Pelco-P, CGI, CGI(IP)	VISCA, Pelco-D, Pelco-P, CGI, CGI(IP)	VISCA(RS-232/IP), Pelco-D & Pelco-P,(RS-232), CGI(IP)
	Wide Area Tracking, Stage Tracking, Segment Tracking, Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame
	IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, Quick Guide	IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, Quick Guide, HDMI Cable	IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, Quick Guide, HDMI Cable	IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, Quick Guide, HDMI Cable	IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, Quick Guide, 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	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), Class 4	PoE+(IEEE 802.3at), Class 4	PoE+(IEEE 802.3at), Class 4	PoE+(IEEE 802.3at), Class 4	No
	No	Upgradable	Upgradable	Yes	Yes	No
	No	Yes	Yes	Yes	Yes	No

		PTZ330UNV2	PTZ330UV2	PTZ310UNV2	PTZ310UV2
Part Number		PT330UNV2	PTZ330UV2	PT310UNV2	PTZ310UV2
PTZ Camera	Effective Picture Elements	8 Megapixels	8 Megapixels	8 Megapixels	8 Megapixels
	Output Resolution	Resolution: 4K+/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	Resolution: 4K+/1080P/720P Frame Rate: 60/59.94/50/30/29.97/25	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
	Optical Zoom	30X	30X	12X	12X
	HFOV (Wide)~(Tele)	62.3° ~ 2.5°	62.3° ~ 2.5°	72.1° ~ 6.3°	72.1° ~ 6.3°
Panoramic Camera	Effective Picture Elements	–	–	–	–
	Output Resolution	–	–	–	–
	HFOV	–	–	–	–
Camera	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	3G-SDI, HDMI, IP, USB
	USB Video Format	MJPEG, YUV2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2
	UVC	UVC1.1	UVC1.1	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0	UAC1.0	UAC1.0
	Control Interface	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP	RS232, RS422, PELCO-P, IP	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	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, 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)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)
Auto Tracking Functions		SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking	SmartFrame, SmartShoot(Zone Tracking), Voice Tracking
Package Contents		Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2x4 mm Screws, Power Adapter & Power Cord, 1/4"-20 L=6.5 mm Screws, Remote Control, M3x6 mm Screws, 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, 1/4"-20 L=6.5 mm Screws, Remote Control, M3x6 mm Screws, 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, 1/4"-20 L=6.5 mm Screws, Remote Control, M3x6 mm Screws, 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, 1/4"-20 L=6.5 mm Screws, Remote Control, M3x6 mm Screws, DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties
Software		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+		PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)	PoE+(IEEE 802.3at)
NDI Protocol		Yes	No	Yes	No
SRT Protocol		Yes	Yes	Yes	Yes

AVer

To learn more, visit **pro.averusa.com**

Youtube: /averusa
Facebook: AVerProAV
Twitter: @AVerProAV
Linkedin: AVerUSA