

A man in a grey suit and blue shirt is standing in the foreground, facing a large audience seated in a lecture hall. He is gesturing with his hands as if speaking. The audience is diverse and appears to be listening attentively. The room has wood-paneled walls and a camera is visible in the upper left. The overall atmosphere is professional and educational.

**#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 3 year advance replacement warranty with free RMA shipping and 24 hour turnaround time. We strive to provide industry leading product quality, service and support so you're always up and running!



\*2-Year Warranty Extension Available

### **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 
Resolution 	Supports PoE+ 	WDR 

\*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 
Resolution 	Supports PoE+ 	WDR 

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



AVer SKU: PATR323NV2

# TR313V2

12X 4K AI  
Auto Tracking Camera

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

SRT READY	ClickShare Conference BARCO	NDI HX Upgradable
NDI COMPLIANT	zoom Certified	Certified for Microsoft Teams

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

AVer SKU: PATR313V2



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 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



Resolution



FOV



Supports PoE+



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



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

		NDI HX3

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

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\*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica 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 	Outputs 
Resolution 	IP Streaming 	Supports PoE+ 

\*With PTZ Link and select Shure, Sennheiser, Yamaha, Nureva, ClearOne and Audio-Technica 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 	Outputs 
Resolution 	IP Streaming 	Supports PoE+ 

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



AVer SKU: PTZ310UV2

# PTZ330W

Professional 30X PTZ Camera

## Windows, Mac OS

Preset Zone Motion Tracking

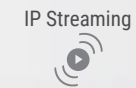
Voice Tracking\*

30X Optical Zoom

Full HD 1080p60

3G-SDI/HDMI/IP/USB Output

Supports PoE+



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

AVer SKU: PAPTZ330W



# PTZ310W

Professional 12X PTZ Camera

## Windows, Mac OS

Preset Zone Motion Tracking

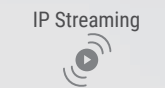
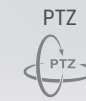
Voice Tracking\*

12X Optical Zoom

Full HD 1080p60

3G-SDI/HDMI/IP/USB Output

Supports PoE+



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

AVer SKU: PAPTZ310W



# 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 <b>30X+</b> OPTICAL	 Outputs <b>4</b> Output
 Resolution <b>Full HD</b> 1080p60	 IP Streaming	 Supports PoE+

\*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 <b>12X+</b> OPTICAL	 Outputs <b>4</b> Output
 Resolution <b>Full HD</b> 1080p60	 IP Streaming	 Supports PoE+

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

TD COMPLIANT	IEC	FROST & SULLIVAN 2022 BEST PRACTICES AWARD
2022 BEST OF SHOW WINNER	NABSHOW PRODUCT of the YEAR 2022 WINNER	Medical Grade



AVer SKU: PATMD330U

Versatile medical grade cameras (EN60601-1-2) for patient monitoring and telehealth conferencing.



AVer SKU: PATMD330UI

# 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 Ultra HD <b>4K</b>	IR for Night View	

TD COMPLIANT	IEC	FROST & SULLIVAN 2022 BEST PRACTICES AWARD
2022 BEST OF SHOW WINNER	NABSHOW PRODUCT of the YEAR 2022 WINNER	Medical Grade







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 
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



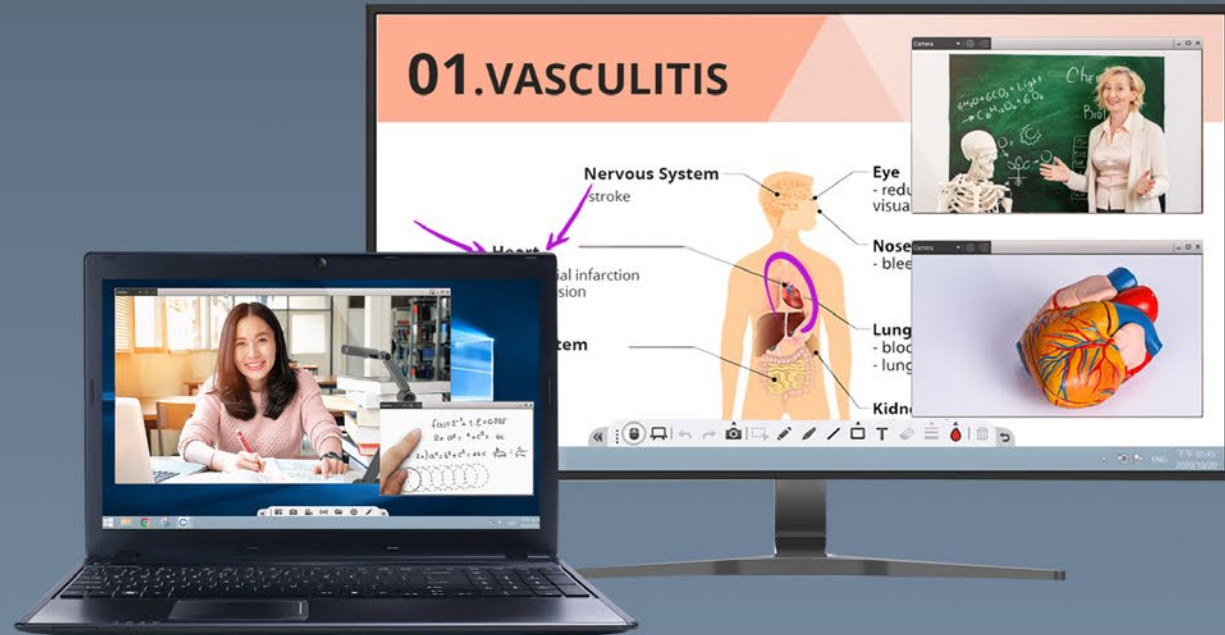


# CaptureShare

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!**

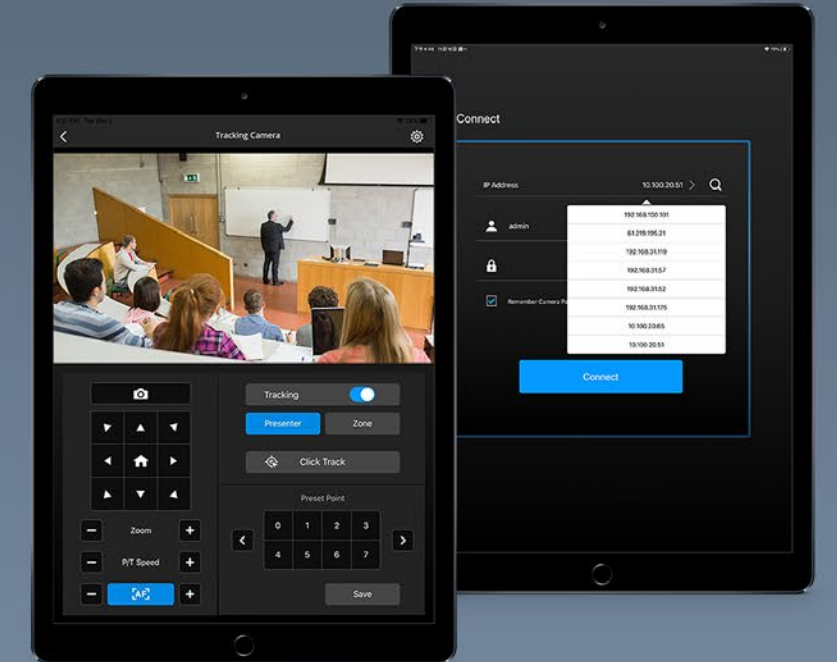
AVer SKU: PTLINKPRE

# 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

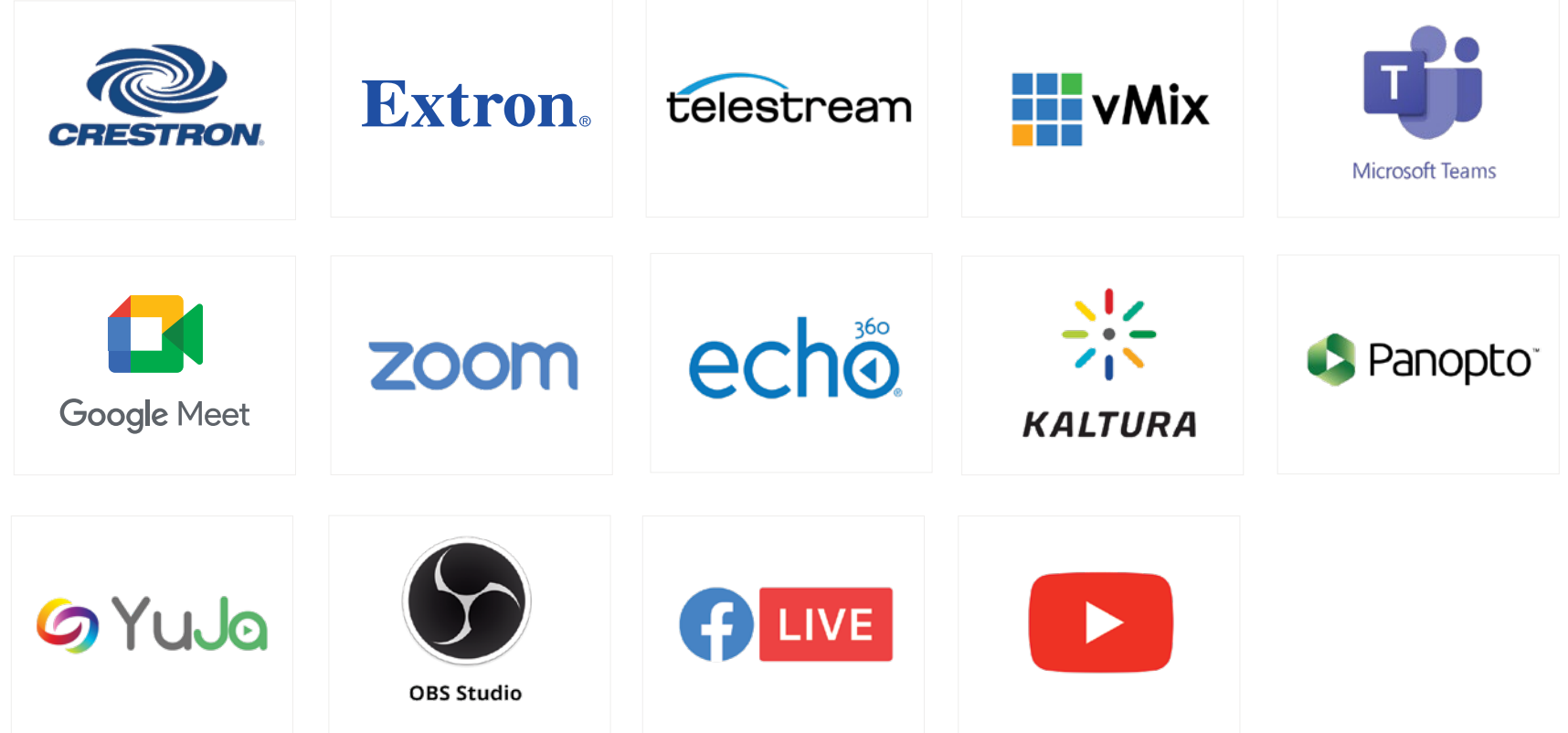
Voice Tracking to Preset
IP Based Control
Multi-Camera Switching (Premium on Windows )
USB Auto Switching
Windows and Mac laptops and desktops



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

		TR333V2	TR323NV2	TR313V2	TR311HWV2
<b>Part Number</b>		PATR333V2	PTR323NV2	PATR313V2	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: 60/59.94/50/30/29.97/25	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°
<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, 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)
<b>Auto Tracking Functions</b>	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	
<b>Package Contents</b>	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	
<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>	Upgradable	Yes	Upgradable	Upgradable	
<b>SRT Protocol</b>	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
—	MJPEG, YUV	MJPEG, YUV	MJPEG, YUV	MJPEG, 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
<b>Part Number</b>		PT330UNV2	PTZ330UV2
<b>PTZ Camera</b>	Effective Picture Elements	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
	Optical Zoom	30X	30X
	HFOV (Wide)~(Tele)	62.3° ~ 2.5°	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: -170° (Left), +170° (Right); Tilt: -30° (Down), +90° (Up)
	Pan/Tilt Speed	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec
	Preset Speed	200° / Sec	200° / Sec
	Output Interface	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
	USB Video Format	MJPEG, YUV2	MJPEG, YUY2
	UVC	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0
	Control Interface	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
	Control Protocol	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	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, 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	
<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	

		PTZ310UNV2	PTZ310UV2
<b>Part Number</b>		PT310UNV2	PTZ310UV2
<b>PTZ Camera</b>	Effective Picture Elements	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
	Optical Zoom	12X	12X
	HFOV (Wide)~(Tele)	72.1° ~ 6.3°	72.1° ~ 6.3°
<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/Tilt Speed	0.1° ~ 100°/Sec	0.1° ~ 100°/Sec
	Preset Speed	200° / Sec	200° / Sec
	Output Interface	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
	USB Video Format	MJPEG, YUY2	MJPEG, YUY2
	UVC	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0
	Control Interface	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
	Control Protocol	VISCA/Pelco-D(RS232/RS422/IP), CGI(IP)	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, 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	
<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	



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