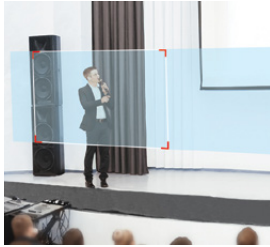




## Pro AV Cameras & Accessories Salesperson's Guide

## Camera Types Determine Your Customer's Needs



### Auto Tracking

If tracking a speaker without the need for a camera operator is a must on top of many other PTZ features you expect, look to our TR models.

**TR311/311HN/313/331  
TR530/320**



### Preset Zone Capture & PoE+

For affordable and reliable PTZ cameras that provide preset shoot areas and PoE+, look to our PTZ models.

**PTZ310/330,  
PTZ310N/330N,  
TR311/311HN/313/331**



### NDI Connectivity

For the same features as our PTZ lineup plus the benefits of NDI connectivity look to our PTZ NDI models. TR model also available!

**TR311HN,  
PTZ330N,  
PTZ310N**



### SRT Ready

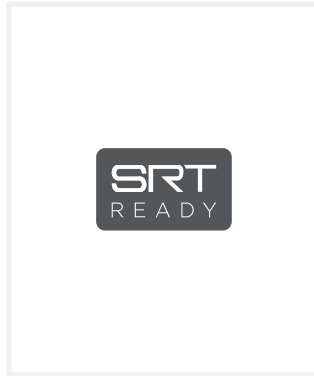
Take advantage of SRT-Ready cameras that enable the delivery of high-quality and secure, low-latency video across the public internet.

**PTZ310/330,  
PTZ310N/330N,  
TR311/311HN/313/331**

# TR331

## Professional 30X HD AI Auto Tracking Camera

- 3 Auto Tracking Modes
- 30X Optical & 12X Digital Zoom
- Full HD 1080p60
- 3G-SDI / HDMI / IP USB Output
- Audio Line-In
- IP Streaming
- Supports SRT Protocol
- Visca control
- Wide Dynamic Range
- Tally Light
- PoE+ Supported
- AVerCare 3 Year Warranty



AVer SKU: PAVPTR331  
MSRP: \$2,499.99



3 Auto Tracking Modes



30X Optical Zoom



3G-SDI, HDMI, IP USB Output



Full HD Resolution



PoE+ Supported



Wide Dynamic Range



AUTO TRACKING

# TR313

## Professional 12X Ultra HD AI Auto Tracking Camera

- 3 Auto Tracking Modes
- 12X Optical & 12X Digital Zoom
- Ultra HD 4K
- 3G-SDI / HDMI / IP USB Output
- Audio Line-In
- IP Streaming
- Supports SRT Protocol
- Visca control
- Wide Dynamic Range
- Tally Light
- PoE+ Supported
- AVerCare 3 Year Warranty



**AVer SKU: PAVPTR313**  
**MSRP: \$2,499.99**



3 Auto Tracking Modes



12X Optical Zoom



3G-SDI, HDMI, IP USB Output



4K Resolution



PoE+ Supported



Wide Dynamic Range



# TR311HN



AVer SKU: PATR311HN  
MSRP: \$2,199.99

## Professional 12X NDI® AI Auto Tracking Camera

- 3 Auto Tracking Modes
- 12X Optical & 12X Digital Zoom
- Full HD 1080p60
- IP / HDMI / USB Output
- Audio Line-In
- IP Streaming
- Supports NDI|HX2 & SRT Protocols
- Visca control
- Wide Dynamic Range
- Tally Light
- PoE+ Supported
- AVerCare 3 Year Warranty



AUTO TRACKING



3 Auto Tracking Modes



12X Optical Zoom



IP/HDMI/USB Output



Supports NDI|HX2 Protocol



PoE+ Supported



Wide Dynamic Range

# TR311

## Professional 12X HD AI Auto Tracking Camera

- 3 Auto Tracking Modes
- 12X Optical & 12X Digital Zoom
- Full HD 1080p60
- 3G-SDI / HDMI / IP USB Output
- Audio Line-In
- IP Streaming
- Supports SRT Protocol
- Visca control
- Wide Dynamic Range
- Tally Light
- PoE+ Supported
- AVerCare 3 Year Warranty



AVer SKU: PAVPTR311  
MSRP: \$2,199.99



3 Auto Tracking Modes



12X Optical Zoom



3G-SDI, HDMI, IP USB Output



Full HD Resolution



PoE+ Supported



Wide Dynamic Range



# TR530

## Professional 30X Auto Tracking Camera

- 3 Unique Tracking Modes: Wide Area, Stage & Segment
- 30X Optical & 12X Digital Zoom
- Full HD 1080p60
- Dual Lens 120° FOV Panoramic Camera
- HDMI / 2X 3G-SDI / IP Output
- Audio Line-In
- IP Streaming
- AVerCare 3 Year Warranty



3 Auto Tracking Modes



120° FOV



30X Optical Zoom Camera



HDMI/IP/3G-SDI Output



Full HD 1080p60



IP Streaming



AVer SKU: PAVPTR530  
MSRP: \$2,999.99

AUTO TRACKING

# TR320

## Professional 22X Auto Tracking Camera

- 3 Unique Tracking Modes: Wide Area, Stage & Segment
- 22X Optical & 12X Digital Zoom
- Full HD 1080p60
- Dual Lens 120° FOV Panoramic Camera
- HDMI / 2X 3G-SDI / IP Output
- Audio Line-In
- IP Streaming
- AVerCare 3 Year Warranty



3 Auto Tracking Modes



120° FOV



22X Optical Zoom Camera



HDMI/IP/3G-SDI Output



Full HD 1080p60



IP Streaming



AVer SKU: PAVPTR320

MSRP: \$2,699.99



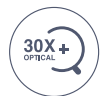
# PTZ330

## Professional 30X PTZ Camera

- Preset Zone Tracking
- 30X Optical & 12X Digital Zoom
- Full HD 1080p60
- HDMI / IP / 3G-SDI / USB Output
- Audio Line-In
- IP Streaming
- Supports SRT Protocol
- PoE+ Supported
- AVerCare 3 Year Warranty



AVer SKU: PAVPTZ330  
MSRP: \$1,899.99



30X Optical Zoom



PTZ



HDMI/USB  
IP/3G-SDI



Full HD  
1080p60



IP Streaming



3-Year Warranty



PRESET ZONE CAPTURE & PoE+

# PTZ310

## Professional 12X PTZ Camera

- Preset Zone Tracking
- 12X Optical & 12X Digital Zoom
- Full HD 1080p60
- HDMI / IP / 3G-SDI / USB Output
- Audio Line-In
- IP Streaming
- Supports SRT Protocol
- PoE+ Supported
- AVerCare 3 Year Warranty



AVer SKU: PAVPTZ310  
MSRP: \$1,399.99



12X Optical Zoom



PTZ



HDMI/USB  
IP/3G-SDI



Full HD  
1080p60



IP Streaming



3-Year Warranty

Same Great Features Also Available in Elegant White!

# PTZ330W and PTZ310W

AVer SKU: PAPTZ330W  
MSRP: \$1,899.99



AVer SKU: PAPTZ310W  
MSRP: \$1,399.99

PRESET ZONE CAPTURE & PoE+

# PTZ330N

## 30X NDI PTZ Live Streaming Camera

- Preset Zone Tracking
- 30X Optical & 12X Digital Zoom
- Full HD 1080p60
- HDMI / SDI / NDI-IP / USB Output
- Audio Line-In
- IP Streaming
- Supports NDI|HX2 & SRT Protocols
- PoE+ Supported
- AVerCare 3 Year Warranty



AVer SKU: PAPTZ330N  
MSRP: \$2,149.99



30X Optical Zoom



PTZ



HDMI/USB  
IP/3G-SDI



Full HD  
1080p60



IP Streaming



3-Year Warranty

# PTZ310N

## 12X NDI PTZ Live Streaming Camera

- Preset Zone Tracking
- 12X Optical & 12X Digital Zoom
- Full HD 1080p60
- HDMI / SDI / NDI-IP / USB Output
- Audio Line-In
- IP Streaming
- Supports NDI|HX2 & SRT Protocols
- PoE+ Supported
- AVerCare 3 Year Warranty

NDI|HX

SRT  
READY



AVer SKU: PAPTZ310N  
MSRP: \$1,699.99



NDI CONNECTIVITY



12X Optical Zoom



PTZ



HDMI/USB  
IP/3G-SDI



Full HD  
1080p60



IP Streaming



3-Year Warranty

# CL01

## PTZ Professional Camera Controller

AVer SKU: PTCAMCTRL  
MSRP: \$1,199.99

- Pan / Tilt / Zoom Speed Control
- Operate up to 256 PTZ cameras with 7 quick access buttons
- 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



Pan/Tilt/Zoom  
Speed Control



Operate up to 256  
PTZ cameras with  
7 quick access



3 Infinite  
Rotation Knobs



Multiple Control  
Interfaces



VISCA  
Pelco-D/P  
Protocols



1-Year Warranty

# Specifications



		Auto Tracking Camera						PTZ Camera			
		TR311HN	TR311	TR313	TR331	TR530	TR320	PTZ330	PTZ310	PTZ330N	PTZ310N
Part Number		PATR311HN	PAVPTR311	PAVPTR313	PAVPTR331	PAVPTR530	PAVPTR320	PAVPTR330	PAVPTR310	PAPTZ330N	PAPTZ310N
PTZ Camera	Effective Picture Elements	2 megapixels	2 megapixels	8 megapixels	2 megapixels	2 megapixels		2 megapixels		2 megapixels	
	Output Resolution	Up to Full HD 1080P at 60fps	Up to Full HD 1080P at 60fps	Up to Ultra HD 4K 2160P at 30fps	Up to Full HD 1080P at 60fps	Up to Full HD 1080P at 60fps		Up to Full HD 1080P at 60fps		Up to Full HD 1080P at 60fps	
	Optical Zoom	12X			30X	30X	22X	30X	12X	30X	12X
	HFOV (Wide)~(Tele)	70° ~ 6°				76° ~ 5°	76° ~ 5°	67° ~ 2.7°	72.1° ~ 6.6°	67° ~ 2.7°	72.1° ~ 6.6°
Panoramic Camera	Effective Picture Elements	-				2 megapixel CMOS		-		-	
	Output Resolution	-				Up to Full HD 1080P at 60fps		-		-	
	HFOV	-				110°		-		-	
Camera	Pan/Tilt Rotation	Pan: -170° (Left), +170° (Right) Tilt: -30° (Down), +90° (Up)				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/Tilt Speed	0.1°~100° / sec				2° ~ 50° / Sec		0.1°~100° / Sec		0.1°~100° / sec	
	Preset Speed	200° / Sec				160° / Sec		200° / Sec		200° / Sec	

		Auto Tracking Camera				PTZ Camera					
		TR311HN	TR311	TR313	TR331	TR530	TR320	PTZ330	PTZ310	PTZ330N	PTZ310N
Camera	Output Interface	HDMI, IP/NDI, USB	3G-SDI, HDMI, IP, USB			3G-SDI, HDMI, IP		3G-SDI, HDMI, IP, USB		3G-SDI, HDMI, IP, USB	
	USB Video Format	YUV, MJPEG, Type-C 3.0				-		YUV, MJPEG, Micro USB 2.0		YUV, MJPEG, Micro USB 2.0	
	UVC	UVC1.1				-		UVC1.1		UVC1.1	
	UAC	UAC1.0				-		UAC1.0		UAC1.0	
	Control Interface	RS232, RS422, IP				RS232, IP		RS232, RS422, IP		RS232, RS422, IP	
	Network Protocol	NDI, IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, 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			IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, ONVIF, VISCA over IP				NDI, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, VISCA over IP	
	Control Protocol	VISCA, Pelco-D, Pelco-P, CGI, NDI HX2, CGI (IP)	VISCA, Pelco-D, Pelco-P, CGI, CGI (IP)			VISCA, Pelco-D, Pelco-P, CGI				VISCA, Pelco-D, Pelco-P, CGI, NDI HX2, CGI (IP)	
Auto Tracking Functions		People Tracking (half or full body), Zone Tracking, Hybrid Mode				Wide Area Tracking, Stage Tracking, Segment Tracking		SmartFrame, SmartShoot			
Package Contents		IR Remote Control, 12V/5A Power Adapter, Din8 to D-Sub9 Cable, RS232 in/out Cable, Quick Guide, Ceiling mount				IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, User Manual		IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, Quick Guide, HDMI Cable			
Software		CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link				PTZ Management, PTZ Control Panel, PTZ Link		CaptureShare, PTZ Management, PTZ Control Panel, PTZ Link			
PoE+		Yes					No		Yes		
Tally Light		Yes					No		No		
Warranty		Camera: 3 Years with AVerCare / Accessories: 1 Year									



## Accessories with 1 Year Warranty

Camera Mounts	SKU	Description	Compatibility	MSRP
	PTMLTWC01	AVer Camera Mount L-Type for Wall & Ceiling	TR320, TR530	\$108.00
	COMSVCMNT	AVer Camera Mount L-Type for Wall	PTZ and TR Series	\$99.00
	PTMLTCM01	AVer Camera Ceiling Mount	PTZ Series , TR311, TR311HN, TR313, TR331	\$89.00
Signal Converters				
	PTCVBU110	AVerMedia BU110 HDMI to USB3.0 Converter	TR320, TR530	\$189.99
	PTCVBU111	AVerMedia BU111 SDI to USB3.0 Converter	TR320, TR530	\$189.99

Remote Controls	SKU	Description	Compatibility	MSRP
	PTRCTRS01	AVer Remote Control	TR320, TR530	\$29.99
	PTRCPTZ01	AVer Remote Control	PTZ Series	\$29.99
	PTRCPTZ02	AVer Remote Control	TR311HN, TR311, TR313, TR331	\$29.99
RS232 Cables				
	COMVCC232	AVer RS-232 Din6 to D-Sub 9 cable	TR320, TR530	\$9.00
	PTDIN8PT1	AVer RS-232 Din8 to D-Sub 9 cable	PTZ Series, TR311, TR311HN, TR313, TR331	\$9.99
	PTRSINOUT	AVer RS232 In/Out cable	PTZ Series, TR311, TR311HN, TR313, TR331	\$18.99
Power Adapters				
	PTTR12V5A	AVer 12V 5A Power Adapter	PTZ and TR Series	\$39.99

# Bring Voice Tracking to AVer ProAV Auto Tracking and PTZ Cameras!

AVer PTZ Link is designed to connect any AVer Professional ProAV PTZ Cameras to microphone systems from Shure®. With the aid of PTZ Link, you can easily turn AVer's PTZ Camera to a voice tracking\* camera through setting preset points.

Accomplish all this without having to hire expensive programmers!

\* Integrated with select Shure Beam Forming Microphones such as the MXA910, MXA710, MXA310, P300, etc.



**PTZ Link**

- Voice Tracking to Preset
- IP Based Control
- Windows and MAC laptops and desktops

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Works with:

**TR311HN, TR311, TR313, TR331,  
TR530, TR320, PTZ330, PTZ310,  
PTZ330N, PTZ310N**

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## Free Software for Users and AV Managers

Whether you need a simple tool to control your PTZ or TR camera, or manage over a hundred on your network, AVer has great options. CaptureShare and PTZ Management for desktop and AVer PTZ Control for iPad have you covered. [Visit our support page for easy download of our desktop software.](#)



### CaptureShare

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- Annotate, record video, live stream, and capture images
- Manage camera controls via USB
- Windows and MAC desktops

---

Works with:

**TR311HN, TR311, TR313, TR331,  
PTZ330, PTZ310, PTZ330N,  
PTZ310N**

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### PTZ Management

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- Remote camera management
- Manage up to 128 cameras per console, FW update, PTZ controls
- Windows 10

---

Works with:

**TR311HN, TR311, TR313, TR331,  
TR530, TR320, PTZ330, PTZ310,  
PTZ330N, PTZ310N**

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### PTZ Control Panel for iPad

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- Control common PTZ and focus functions over network
- Enable and disable tracking
- iPad OS v9 or above

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Works with:

**TR311HN, TR311, TR313, TR331,  
TR530, TR320, PTZ330, PTZ310,  
PTZ330N, PTZ310N**

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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 and live streaming PTZ cameras to serve any presentation, training or lecture environments. The cameras are uniquely designed for high performance, quality and cost efficiency without the need for a professional camera operator. We strive to provide industry leading product quality, service and support that exceeds our customer's expectations. Visit [pro.averusa.com](http://pro.averusa.com).

### Why AVer for Pro AV?

- Committed to serving our partners and customers – pre and post-sale
- Industry leading AVerCare 3 year warranty program and 24 hour replacement
  - Exceptional product quality and innovation



## Our Happy Customers



Thanks to AVer Pro AV cameras with NDI, the ability to route video over the network has made lecture capture and video conferencing much easier to set up, maintain and manage.

– *Jeffrey L Zellmer, Technology Specialist, University of Wisconsin Parkside*



The equipment blew us away. The quality of the image, the smoothness of tracking, and the ease of integration into our rooms, made our transition an overwhelming success. The camera had all the features we were hoping for and it didn't take us long to learn how to use the friendly interface. Thank you AVer.

– *Patrick Gaughan, Manager of Technology Support Services, Fort Lewis College*



With our commitment to our distance origination rooms for extended learning, we needed a professional camera that would allow us to auto-track our lecturers while integrating nicely into our existing AV environment. The AVer TR530 provides us that and supports our mandate to keep the operation of equipment as simple as possible for our faculty. I'm also thrilled to get the strong warranty protection offered by AVerCare.

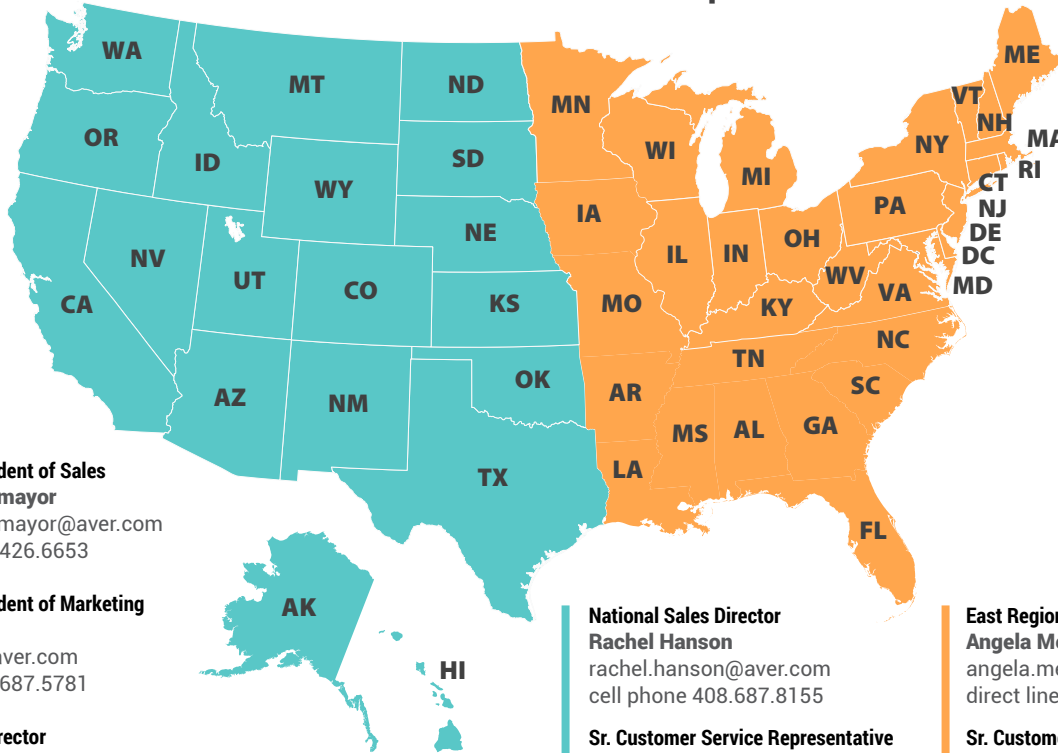
– *Nicholas Aballi,  
Distance Learning Technology Specialist, Office of Information Technology, Indiana State University*



I'm really impressed with the picture quality. Using that as my primary web stream cam makes a really big difference. With the AVer AV (TR530) camera, the quality is far superior to the older Sony equipment. It's worked out really nice. I like the web interface that allows you to remote in and to control your camera via your browser.

– *Travis Hutchins, AV/IT expert and member, Concord Baptist Church*

# Find Your AVer SALES Representative



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SALES REPRESENTATIVE



To learn more, visit [pro.averusa.com](https://pro.averusa.com)

#### **For Support Inquiries & Product Resources:**

Contact Our U.S. Based Support Team:

- Toll-free: (877) 528-7824
- Local: (408) 263-3828
- [support.usa@aver.com](mailto:support.usa@aver.com)
- [averusa.com/pro-av/support/](https://averusa.com/pro-av/support/)

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