

**#CONNECTBETTER**

# Table of Contents

About AVer

03

Why AVer

04

Auto Tracking Cameras

06

PTZ Cameras

14

Camera Controller

20

Softwares

22

Compatibility

27

Specifications

28

# 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!



### TAA Compliant

AVer PTZ cameras are 100% TAA Compliant includes the models TR530, TR320, PTZ330, PTZ310, PTZ330N and PTZ310N. TAA refers to the Trade Agreements Act (19 U.S.C. & 2501-2581), which is intended to foster fair and open international trade. 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!

# TR331

Professional 30X  
Auto Tracking Camera

Windows, Mac OS

- 3 Auto Tracking Modes
- 30X Optical & 12X Digital Zoom
- Full HD 1080p60
- 3G-SDI/HDMI/IP USB Output
- Wide Dynamic Range
- Supports SRT Protocol

Tracking Modes	Optical Zoom	Outputs
		
Resolution	PoE+ Supported	WDR
		









# TR313

Professional 12X Ultra HD AI  
Auto Tracking Camera

Windows, Mac OS

- 3 Auto Tracking Modes
- 12X Optical & 12X Digital Zoom
- Ultra HD 4K
- 3G-SDI/HDMI/IP USB Output
- Wide Dynamic Range
- Supports SRT Protocol

Tracking Modes	Optical Zoom	Outputs
		
Resolution	PoE+ Supported	WDR
		



# TR311

Professional 12X HD AI  
Auto Tracking Camera

## Windows, Mac OS

- 3 Auto Tracking Modes
- 12X Optical & 12X Digital Zoom
- Full HD 1080p60
- 3G-SDI/HDMI/IP USB Output
- Wide Dynamic Range
- Supports SRT Protocol

Tracking Modes	Optical Zoom	Outputs
Resolution	PoE+ Supported	WDR



# TR311HN

Professional 12X NDI® AI  
Auto Tracking Camera

## Windows, Mac OS

- 3 Auto Tracking Modes
- 12X Optical & 12X Digital Zoom
- Full HD 1080p60
- IP/HDMI/USB Output
- Wide Dynamic Range
- Supports NDI|HX2 & SRT Protocol

Tracking Modes	Optical Zoom	Outputs
NDI HX2	PoE+ Supported	WDR



# TR320

Professional 22X HD  
Auto Tracking Camera

## Windows, Mac OS

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

IP Streaming

### Tracking Modes



### Optical Zoom



### Outputs



### Resolution



### FOV



### IP Streaming



# TR530

Professional 30X  
Auto Tracking Camera

## Windows, Mac OS

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

IP Streaming

### Tracking Modes



### Optical Zoom



### Outputs



### Resolution



### FOV



### IP Streaming



# PTZ CAMERAS

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









# PTZ330

## Professional 30X PTZ Camera

(White model: PTZ330W)

### Windows, Mac OS

Preset Zone Tracking
12X Optical & 12X Digital Zoom
Full HD 1080p60
HDMI/IP/3G-SDI/USB Output
Supports SRT Protocol
IP Streaming

PTZ 	Optical Zoom <b>30X+</b> OPTICAL 	Outputs <b>4</b> Output 
Resolution <b>Full HD</b> 1080p60 	IP Streaming 	Warranty <b>3</b> Yr 









# PTZ310

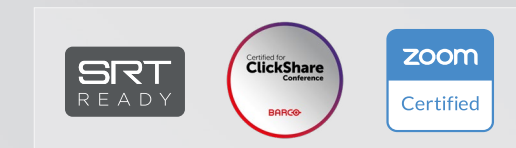
## Professional 12X PTZ Camera

(White model: PTZ310W)

### Windows, Mac OS

Preset Zone Tracking
12X Optical & 12X Digital Zoom
Full HD 1080p60
HDMI/IP/3G-SDI/USB Output
Supports SRT Protocol
IP Streaming

PTZ 	Optical Zoom <b>12X+</b> OPTICAL 	Outputs <b>4</b> Output 
Resolution <b>Full HD</b> 1080p60 	IP Streaming 	Warranty <b>3</b> Yr 



White model available for both PTZ330 & PTZ310

# PTZ330N

30X NDI PTZ Live Streaming Camera

## Windows, Mac OS

Preset Zone Tracking

30X Optical & 12X Digital Zoom

Full HD 1080p60

HDMI/SDI/NDI-IP/USB Output

Supports NDI|HX2 & SRT Protocols

IP Streaming

PTZ



Optical Zoom



Outputs



Resolution



IP Streaming



Warranty



# PTZ310N

12X NDI PTZ Live Streaming Camera

## Windows, Mac OS

Preset Zone Tracking

12X Optical & 12X Digital Zoom

Full HD 1080p60

HDMI/SDI/NDI-IP/USB Output

Supports NDI|HX2 & SRT Protocols

IP Streaming

PTZ



Optical Zoom



Outputs



Resolution



IP Streaming



Warranty



# CL01

## PTZ Professional Camera Controller

Pan/Tilt/Zoom Speed Control

Operate 7 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



# PTZ Management

Easy to Use and Efficient Central Management Tool

## Windows 10

Control up to 128 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

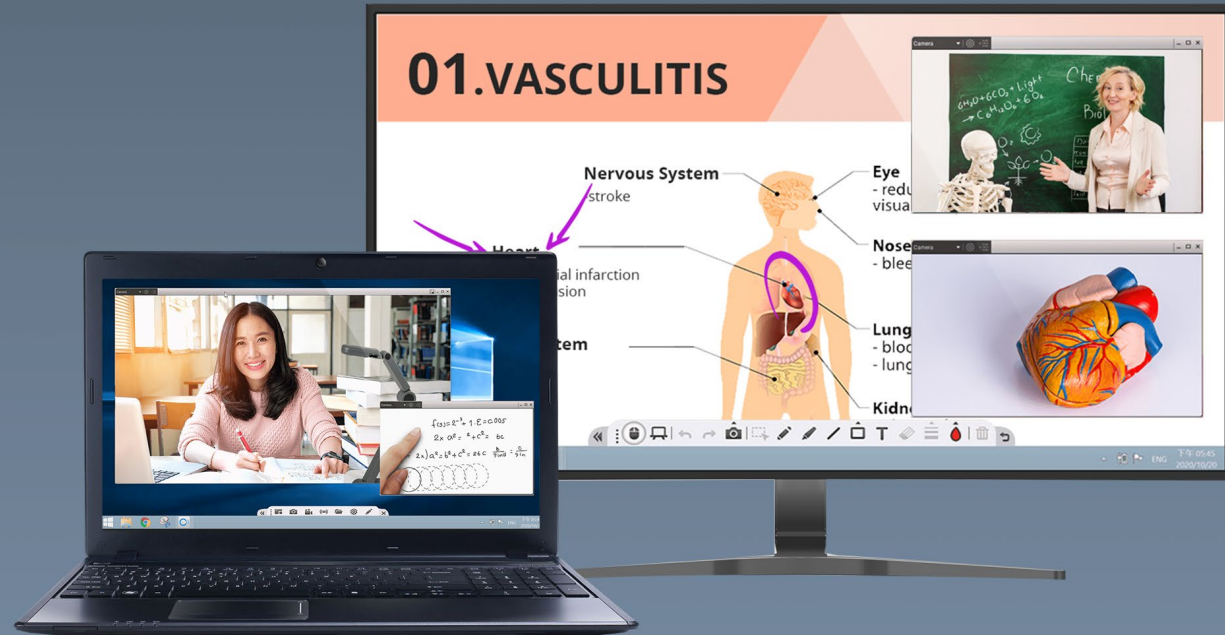
## Windows & MAC

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



# PTZ Control Panel for iPad

Use iPad to Control AVer PTZ Cameras Through the Network

## iPadOS® v11 or above

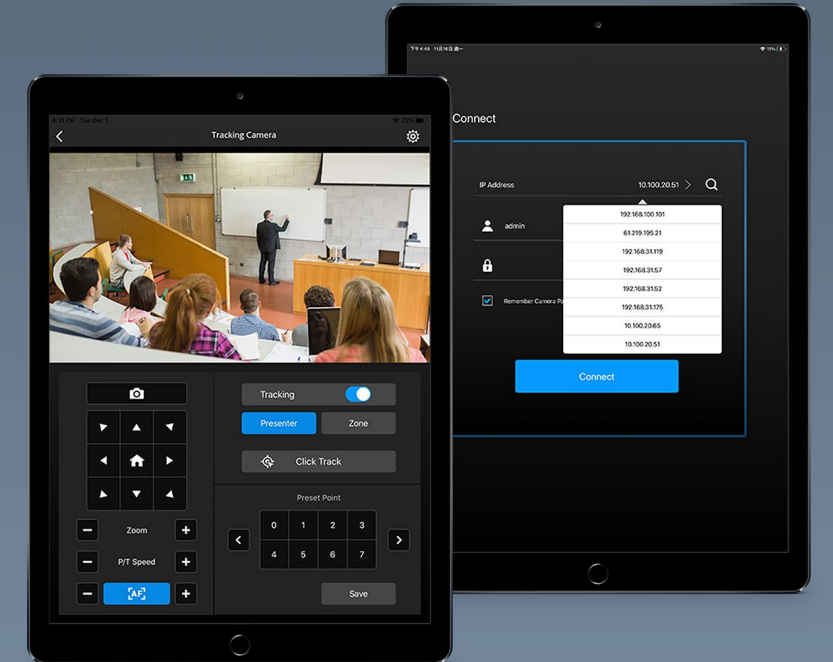
Control Common PTZ and Focus Functions Over Network

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

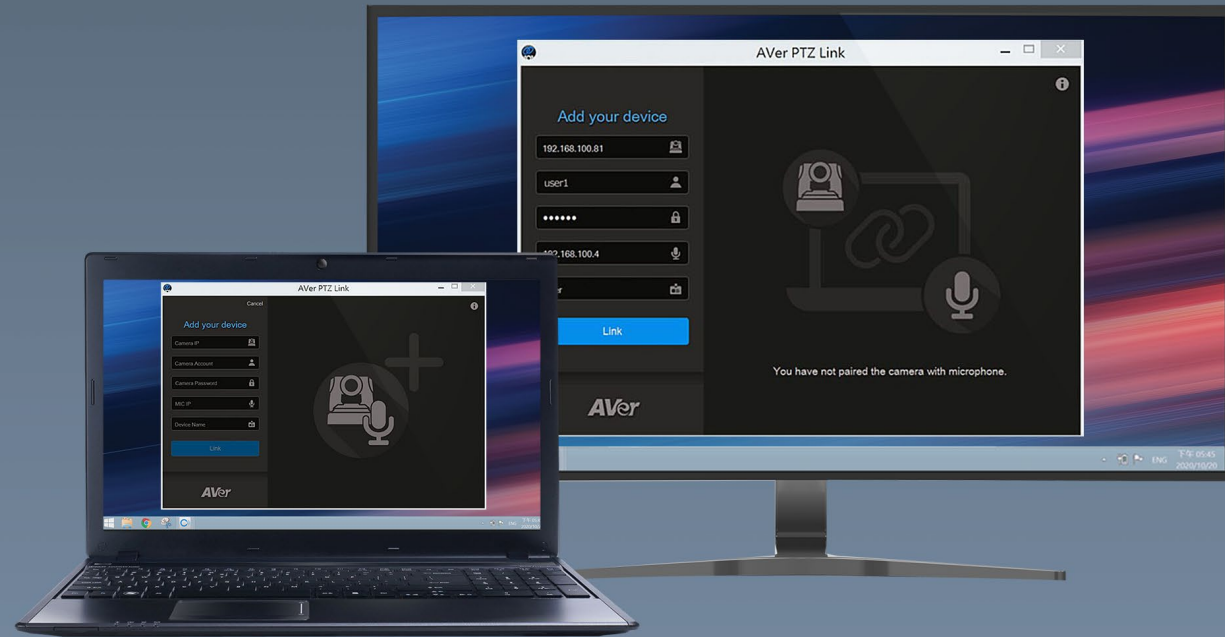


# PTZ Link

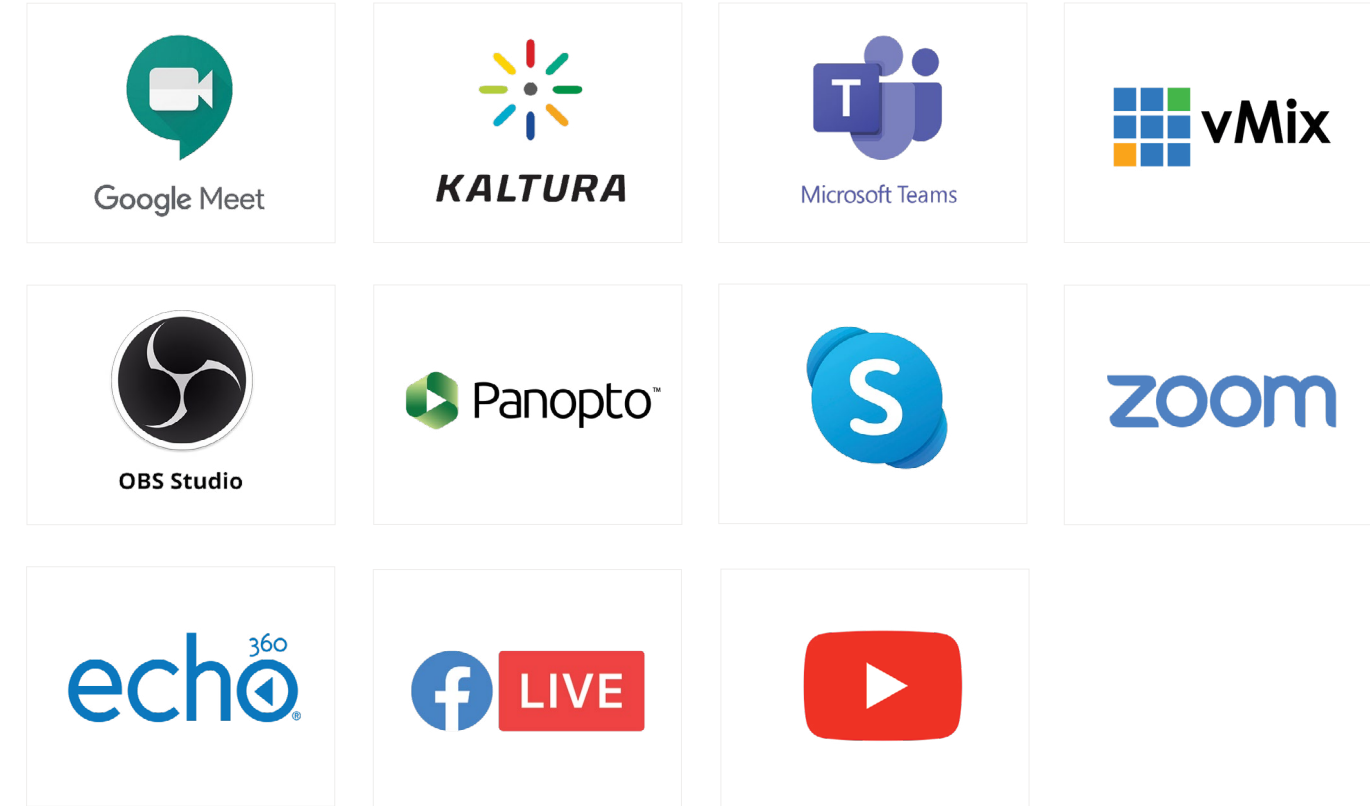
Easily Add Voice Tracking Functionality

## Windows & MAC

Voice Tracking to Preset
IP Based Control
Windows and Mac laptops and desktops



# AVer Cameras Are Compatible with Popular Streaming Platforms



# Specifications

Auto Tracking Cameras		PTZ Cameras									
		TR331	TR313	TR311HN	TR311	TR530	TR320	PTZ330/PTZ330W	PTZ310/PTZ310W	PTZ330N	PTZ310N
<b>Part Number</b>		PAVPTR331	PAVPTR313	PATR311HN	PAVPTR311	PAVPTR530	PAVPTR320	PAVPTZ330/PAPTZ330W	PAVPTZ310/PAPTZ310W	PAPTZ330N	PAPTZ310N
<b>PTZ Camera</b>	Effective Picture Elements	2 Megapixels	8 Megapixels	2 Megapixels	2 Megapixels	2 Megapixels	2 Megapixels	2 Megapixels	2 Megapixels	2 Megapixels	2 Megapixels
	Output Resolution	Up to Full HD1080P 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 HD1080P 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	Up to Full HD1080P at 60fps
	Optical Zoom	30X	12X	12X	12X	30X	22X	30X	12X	30X	12X
	HFOV (Wide)~(Tele)	65.1° ~ 2.34°	70° ~ 6°	70° ~ 6°	70° ~ 6°	76° ~ 5°	76° ~ 5°	67° ~ 2.7°	72.1° ~ 6.6°	67° ~ 2.7°	72.1° ~ 6.6°
<b>Panoramic Camera</b>	Effective Picture Elements	—	—	—	—	2 Megapixel CMOS	2 Megapixel CMOS	—	—	—	—
	Output Resolution	—	—	—	—	Up to Full HD1080P at 60fps	Up to Full HD 1080P at 60fps	—	—	—	—
	HFOV	—	—	—	—	110°	110°	—	—	—	—
<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: -175° (Left), +175° (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: -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	2° ~ 50°/Sec	2° ~ 50°/Sec	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	160°/Sec	160°/Sec	200° / Sec	200° / Sec	200° / Sec	200° / Sec
	Output Interface	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	HDMI, IP/NDI, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP	3G-SDI, HDMI, IP	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
	USB Video Format	YUV, MJPEG, Type-C 3.0	YUV, MJPEG, Type-C 3.0	YUV, MJPEG, Type-C 3.0	YUV, MJPEG, Type-C 3.0	—	—	YUV, MJPEG, Micro USB 2.0	YUV, MJPEG, Micro USB 2.0	YUV, MJPEG, Micro USB 2.0	YUV, MJPEG, Micro USB 2.0
	UVC	UVC1.1	UVC1.1	UVC1.1	UVC1.1	—	—	UVC1.1	UVC1.1	UVC1.1	UVC1.1
	UAC	UAC1.0	UAC1.0	UAC1.0	UAC1.0	—	—	UAC1.0	UAC1.0	UAC1.0	UAC1.0
	Control Interface	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, IP	RS232, IP	RS232, IP	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, IP	RS232, RS422, IP
	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	NDI, 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	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, ONVIF, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, ONVIF, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, ONVIF, VISCA over IP	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, ONVIF, VISCA over IP	NDI, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, VISCA over IP	NDI, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, VISCA over IP
	Control Protocol	VISCA, Pelco-D(RS232/RS422/IP), CGI (IP)	VISCA, Pelco-D, Pelco-P, CGI, CGI (IP)	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	VISCA, Pelco-D, Pelco-P, CGI	VISCA, Pelco-D, Pelco-P, CGI	VISCA, Pelco-D, Pelco-P, CGI	VISCA, Pelco-D, Pelco-P, CGI, NDI HX2, CGI (IP)
<b>Auto Tracking Functions</b>	People Tracking (half or full body), Zone Tracking, Hybrid Tracking	People Tracking (half or full body), Zone Tracking, Hybrid Tracking	People Tracking (half or full body), Zone Tracking, Hybrid Tracking	People Tracking (half or full body), Zone Tracking, Hybrid Tracking	Wide Area Tracking, Stage Tracking, Segment Tracking	Wide Area Tracking, Stage Tracking, Segment Tracking	SmartFrame, SmartShoot	SmartFrame, SmartShoot	SmartFrame, SmartShoot	SmartFrame, SmartShoot	
<b>Package Contents</b>	IR Remote Control, 12V/5A Power Adapter, Power Cable, Din8 to D-Sub9 Cable, RS232 In/Out Cable, Screw for Mount, Ceiling Mount, Cable Fixing Plates, Quick Guide	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, Din8 to D-Sub9 Cable, RS232 in/out Cable, Quick Guide, Ceiling mount	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 Manal	IR Remote Control, 12V/5A Power Adapter, DB9 to DIN6/DIN8 Adapter, User Manal	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	
<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	PTZ Management, PTZ Control Panel, PTZ Link	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	
<b>PoE+</b>	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	
<b>Tally Light</b>	Yes	Yes	Yes	Yes	No	No	No	No	No	No	
<b>Warranty</b>	Camera: 3 Years with AVerCare Accessories: 1 Year						Camera: 3 Years with AVerCare / Accessories: 1 Year				



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

AVer Information Inc. Americas [averusa.com](http://averusa.com). 668 Mission Court Fremont, CA 94539 Toll Free 1.877.528.7824

©2021 by AVer Information Inc. All rights reserved. All products and features are subject to change. All brand names and logos are trademarks of their respective companies.



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