



Product Catalog

# AVer Classroom Technology

We Advance Education



A photograph of a diverse group of young children in a classroom. They are sitting at desks, and several of them have their hands raised high in the air, indicating they want to participate or answer a question. The children are smiling and appear to be in a positive, engaged learning environment. The background shows a typical classroom setting with shelves and educational materials.

# CHANGING THE WORLD ONE CLASSROOM AT A TIME

Every time we support a classroom, we honor our commitment to creating a brighter tomorrow for communities across the globe. This vision has been the cornerstone of our business since 2008 and has inspired us to provide award-winning educational technology solutions to thousands of institutions. We believe technology has the power to influence natural learning and innovation among our young communities, and the impact of today's technology determines the brightness of tomorrow.

# AVer Future Classroom

Create Online & Offline Environments

- 1 Visualizers
- 2 Wireless Visualizers
- 3 A+ Suite & AVerTouch Software
- 4 Charge, Disinfect & Sync Carts/Stations
- 5 Distance Learning & Auto Tracking PTZ Cameras
- 6 Streaming Audio Systems



Classroom Technology Solutions



# VISUALIZERS

- ✓ *Digitize All Kinds of Teaching Materials*
- ✓ *All-in-One for Presentations, Videos & Live Broadcasts*
- ✓ *Collaborative Learning with Classroom Software*
- ✓ *Distance Learning & Hybrid Classrooms*

Visualizer  
Promo Video



“ The AVer document camera has been the best teaching tool I have ever used. ”

– Theresa Brown  
Broadneck Elementary School Teacher

An all-purpose camera combines visualizer functions with a video camera. The compact design incorporates the camera, microphone, and speaker, ensuring convenient and effective teaching and learning in any context, even a hybrid class or mobile learning. Dual ports, HDMI & USB, make connecting to a laptop and display hassle-free. Connect and go. A fully customized digital learning experience is one tap away.



## A30

- 4K Ultra HD 60fps
- 13 Megapixels
- 23X Total Zoom
- HDMI & USB Output
- Built-in Mic & Speaker
- 2<sup>nd</sup> Camera Support



A30  
Intro Video



All-In-One

A fully adjustable mechanical arm is robustly expandable and foldable. The rotatable lens enables teachers to capture images of both A3 documents and 3D models from multiple angles, greatly improving education quality.



## M90UHD

- 4K Ultra HD 60fps
- 13 Megapixels
- 322X Total Zoom (14X Optical Zoom)
- HDMI & VGA Output / Input

M90UHD  
Intro Video



## M15-13M

- 4K Ultra HD 60fps
- 13 Megapixels
- 23X Total Zoom
- HDMI Output



## M11-8MV

- Full HD 1080p 60fps
- 8 Megapixels
- 20X Total Zoom
- HDMI & VGA Output



M11-8MV  
Intro Video



## M5

- 3264 x 2448 (8M)
- 8 Megapixels
- 16X Total Zoom (via AVerTouch)
- USB 2.0 Output



M5  
Intro Video



# Wireless

Wireless visualizers support both wired and wireless image sharing, and they work as webcams for livestreaming. Also, they feature a high-endurance Li-ion battery so teachers can break space imitations and take learning anywhere.



## M70W

- 4K Ultra HD 60fps
- 13 Megapixels
- 230X Total Zoom (10X Optical Zoom)
- HDMI Output / Input



M70W & M15W  
Intro Video



## M15W

- 4K Ultra HD 60fps
- 13 Megapixels
- 23X Total Zoom
- HDMI Output



## F50+

- 4K Ultra HD 60fps
- 13 Megapixels
- 230X Total Zoom (10X Optical Zoom)
- HDMI & VGA Output / Input



## F17+

- 4K Ultra HD 60fps
- 13 Megapixels
- 23X Total Zoom
- HDMI & VGA Output / Input



The 360° flexible arm features high adjustability and mobility. Bend and adjust the gooseneck however you need to without missing a single detail. Plus, portable designs let you carry them anywhere to conveniently upgrade learning environments.

F17+ & F50+  
Intro Video



# Flexible Arm

# USB

USB visualizers are easy to operate, allowing users to transmit images and videos on computers by simply plugging in a USB cable. Online teaching is much easier without complex installation steps and troublesome cables.



## U70i

- 4K Ultra HD 30fps
- 13 Megapixels
- 16X Total Zoom
- USB 2.0 Output

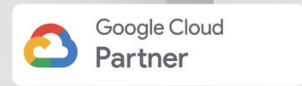
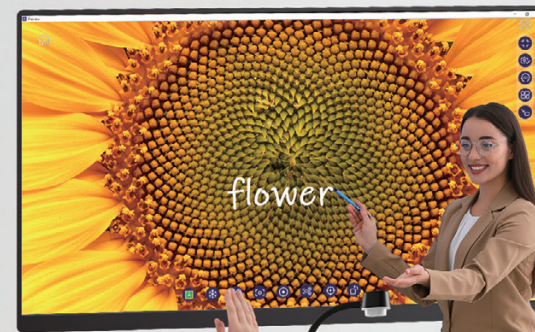
U70i  
Intro Video



## U50+

- 3264 x 2448 (8M)
- 8 Megapixels
- 16X Total Zoom
- Mini USB 2.0 Output

U50+  
Intro Video



## AVer Classroom Software

Install Infinite Teaching Possibilities



### CaptureShare

Teachers can easily record video, live stream, and capture still images during class to rich collaborative experience.



### AVerTouch

AVerTouch can one-touch connect AVer visualizers with mobile devices for content sharing. Teachers can sync to the cloud to automatically save annotated, captured, and recorded files.

AVerTouch &  
Google Classroom  
Video



# CHARGING CARTS

- ✓ *Intelligent Charging Technology*
- ✓ *Safe & Stable Design*
- ✓ *Service Suitable for Different Mobile Devices*
- ✓ *Unrivalled Warranty*
- ✓ *Superb Training & Customer*

Charging Cart  
Promo Video



The intelligent charging system dynamically monitors different charging areas, automatically distributing electricity according to demand, centralizing the power in the lowest battery area and ensuring every device is efficiently charged.



## C36i+

US, EU & UK SKUs

- 36-Device Capacity
- Intelligent Charging Technology
- Smooth Slide-Out Shelves
- Adjustable Device Dividers
- Patented Cable-Clip Management



## C20i

US, EU & UK SKUs

- 20-Device Capacity
- Intelligent Charging Technology
- Adjustable Device Dividers
- Patented Cable-Clip Management

C20i  
Intro Video





# AC Charging

# USB Charging

Teachers can charge and sync data to mobile devices at the same time. The USB ports are installed at the front for easy plug-and-go charging.

## E32c+ E24c+



EU & UK SKUs

- 32 or 24-Device Capacity
- Cycle Charging Technology
- Streamlined Cable Management
- Space-Saving Design

E32c & E24c  
Intro Video



## E12



US, EU & UK SKUs

- 12-Device Capacity
- Fully Charging Technology
- DIY Charging Station
- Adjustable Device Dividers
- Patented Cable-Clip Management

E12  
Intro Video



## C30u+



USB Type-C

- 30-Device Capacity
- DC 5V 3A Charging Power
- 1 USB Port for 1 Device
- Smooth Slide-Out Shelves

# STREAMING AUDIO SYSTEM

*Streaming Audio Systems are all-in-one audio solutions that amplify the teacher's voice, ensuring that every student can hear discussions clearly while promoting active participation.*



## SA-A5

- Public Address System integration allows for the automatic muting of the mic to prevent loud audio disruptions from interfering audio sources.
- Support remote and hybrid learning by providing clear communication.
- Work with various devices, enabling personalized learning experiences.
- Ensure every student in the classroom hears the teacher's voice clearly.
- Ensure all students can participate fully in class discussions.

# DISTANCE LEARNING TRACKING CAMERAS

*Perfect for distance learning and hybrid classrooms. Simple controls and plug-and-play connectivity are the biggest advantages and ideal for installing in every classroom. Teachers can present freely onstage while livestreaming so students can learn no matter where they are.*



## DL30 USB Type-B

- Full HD 1080p at 60fps
- 12X Optical Zoom
- Upside-Down Installation
- No Extra Devices Needed
- Gesture Control AI
- AI Auto Tracking Modes: Presenter/Zone/Hybrid Mode



DL30  
Intro Video



## DL10 USB Type-B

- Full HD 1080p at 60fps
- 3X Optical Zoom
- Upside-Down Installation
- No Extra Devices Needed
- Built-in Microphones
- Gesture Control AI
- AI Auto Tracking Modes: Presenter/Zone/Hybrid Mode



DL10  
Intro Video



# PRO AV CAMERAS

*Broadcast, stream, and record—all with one camera! Equipped with optical zooms and advanced AI tracking technology, Professional PTZ Cameras capture every detail of classrooms, auditoriums, stages, conference rooms, and houses of worship.*

## Voice Tracking Partners



## Pro AV Strategic Partners



**TR335**  
**TR335N** NDI HX  
**TR315**  
**TR315N** NDI HX

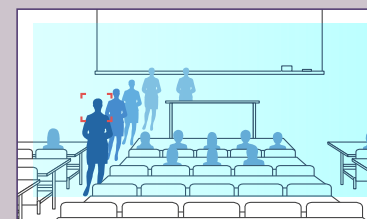
- 4K Ultra HD 60fps
- 30X/12X Optical Zoom
- NDI® HX Compatible\*
- AI Auto Tracking Modes: Presenter/Zone/Hybrid

\* TR335N / TR315N only

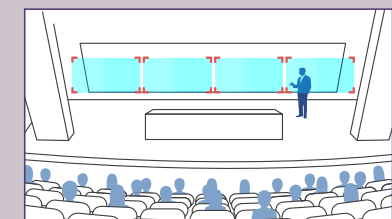


**TR211**

- Full HD 1080p 60fps
- 12X Optical Zoom
- License Upgrade to NDI® in 2024Q2
- AI Auto Tracking Modes: Presenter/Zone/Hybrid



Wide Area Mode  
Presenter Mode



Segment Mode  
Zone Mode



License Upgrade  
to NDI®



## PTC310UV2

- 4K Ultra HD 30fps
- 12X Optical Zoom
- License Upgrade to NDI®
- AI Auto Tracking Modes:  
Presenter/Zone/Hybrid



## TR535 TR535N FULL NDI

- 4K Ultra HD 60fps
- 30X Optical Zoom
- Dual Lens Design
- Full NDI® Compatible\*
- AI Auto Tracking Modes:  
Presenter/Zone/Hybrid/Segment

\* TR535N only  
\*\* Available in 2024Q2



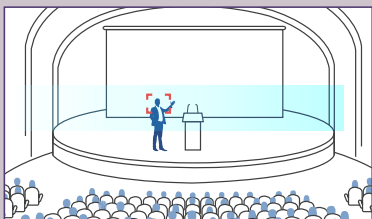
## PTC500+

- Full HD 1080p 60fps
- 30X Optical Zoom
- Dual Lens Design
- Multi-Presenter Detection
- AI Auto Tracking Modes:  
Wide Area/Stage/Segment

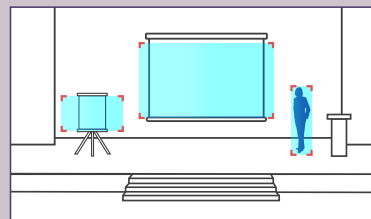


## PTC115+

- Full HD 1080p 60fps
- 22X Optical Zoom
- Dual Lens Design
- Multi-Presenter Detection
- AI Auto Tracking Modes:  
Wide Area/Stage/Segment



Stage Mode



Hybrid Mode

PTC500S  
Intro Video



PTC115  
Intro Video





## PTZ330UV2 PTZ330UNV2 **NDI-HX3**

- 4K Ultra HD 60 fps
- 30X Optical Zoom
- NDI® HX3 Compatible\*
- AI Functions: SmartShoot

\* PTZ330UNV2 only



PTZ300V2  
Intro Video



## PTZ310UV2 PTZ310UNV2 **NDI-HX3**

- 4K Ultra HD 60 fps
- 12X Optical Zoom
- NDI® HX3 Compatible\*
- AI Functions: SmartShoot

\* PTZ310UNV2 only



## PTZ231 PTZ211

- Full HD 1080p 60fps
- 30X/12X Optical Zoom
- License Upgrade to NDI® in 2024Q2
- AI Functions: SmartShoot



License Upgrade  
to NDI®

### PTZ Camera Controller



## CL01

- Pan/Tilt/Zoom Speed Control
- Control 255 PTZ Cameras
- Multiple Control Interfaces
- VISCA/Pelco-D/Pelco-P

### Value-added Software



CaptureShare



PTZ Control  
Panel



PTZ Link



PTZ  
Management



OBS Plugin for  
PTZ Cameras



# MATRIX TRACKING BOXES

*Step into the future of audio-visual mastery with AVer's Matrix Tracking Box. This cutting-edge multimedia marvel redefines the game by effortlessly integrating content from multiple sources on a unified platform. Whether it's meetings, training sessions, or classrooms, AVer's Matrix Tracking Box delivers the epitome of high-tech multimedia management.*



## MT300 MT300N **NDI<sup>®</sup>HX**





- 4K Ultra HD 60 fps
- Support NDI<sup>®</sup>HX3 Cameras Inputs
- View 4 Live Videos
- Built-in PTZ Link Premium for Voice-based Tracking
- Multiple Inputs/Outputs
- NDI<sup>®</sup>HX Video Outputs\*

\* MT300N only

MT300(N)  
Intro Video



# Visualizers

Model	 A30	 M90UHD	 M15-13M	 M11-8MV	 M5
Type	All-In-One	Mechanical			
Sensor (MP)	13	13	13	8	8
Wireless Connectivity	✗	✗	✗	✗	✗
Digital Zoom	23X	23X	23X	20X	16X
Optical Zoom	1X	14X	1X	1X	1X
Max Display Resolution	4K	4K	4K	1080p, 3168 x 2376 (USB)	3264 x 2448 (8M)
Shooting Area	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3
Max FPS	60fps	60fps	60fps	60fps	Full HD 1080p at 60fps, 3264 x 2448 at 15fps
External Storage	USB	SD / USB	✗	Micro SD / USB	✗
USB to PC	✓	✓	✓	✓	✓
Webcam Support (UVC)	✓	✓	✓	✓	✓
Built-in MIC	✓	✓	✓	✓	✓
Line Out	✗	✓	✗	✗	✗
Built-in Speaker	✓	✗	✗	✗	✗
One-touch Recording	✓ (Remote Control)	✓	✗	✓	✗
Onboard Annotation	✗	✗	✗	✓	✗
HDMI	Out	Out / In	Out	Out	✗
VGA	✗	Out / In	✗	Out	✗
RS-232	✗	Optional	✗	✗	✗
Remote Control	✓	✓	✗	✗	✗
Rechargeable Battery	✗	✗	✗	✗	✗
Warranty	5 Years	5 Years	3 Years	5 Years	1 Year

\* Specifications may vary depending on countries and are subject to change without notice.



M70W		M15W		F50+		F17+		U70i		U50+	
Mechanical & Wireless				Flexible				USB			
13	13	13	13	13	13	13	13	13	8		
✓	✓	✗	✗	✗	✗	✗	✗	✗	✗		
23X	23X	23X	23X	23X	23X	23X	23X	16X	16X		
10X	1X	10X	10X	10X	10X	10X	10X	1X	1X		
4K	4K	4K	4K	4K	4K	4K	4K	4K	3264 x 2448 (8M)		
Larger than A3	Larger than A3	Larger than A4	Larger than A4	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3		
60fps	60fps	60fps	60fps	60fps	60fps	60fps	60fps	Full HD 1080p at 60fps, 4K at 30fps	Full HD 1080p at 60fps, 3264 x 2448 at 15fps		
USB	✗	SD / USB	SD / USB	SD / USB	SD / USB	SD / USB	SD / USB	✗	✗		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
✗	✗	✓	✓	✓	✓	✓	✓	✗	✗		
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗		
✓	✗	✓	✓	✓	✓	✓	✓	✗	✗		
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗		
Out / In	Out	Out / In	Out / In	Out / In	Out / In	Out / In	Out / In	✗	✗		
✗	✗	Out / In	Out / In	Out / In	Out / In	Out / In	Out / In	✗	✗		
✗	✗	✓	✓	✓	✓	✓	✓	✗	✗		
✓	✗	✓	✓	✓	✓	✓	✓	✗	✗		
✓	✓	✗	✗	✗	✗	✗	✗	✗	✗		
5 Years	3 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	2 Years	2 Years		

\* Specifications may vary depending on countries and are subject to change without notice.

# Charging Carts



Model	 C36i+	 C20i	 E32c+ / E24c+	 E12	 C30u+
Type	AC Charging				USB Charging
Device Capacity	36	20	E32c+: 32 E24c+: 24	12	30
Supported Devices	Up to 15"	Up to 16"	Up to 15.6"	Up to 15.6"	All USB Charged
Slot Dimensions (W x D x H)	36 x 380 x 260 mm	36 x 419 x 330 mm	E32c+: 26 x 320 x 420 mm E24c+: 26 x 320 x 420 mm	30 x 426 x 311 mm	34 x 380 x 225 mm
Cart Dimensions (W x D x H)	790 x 634 x 1070 mm	688 x 637 x 1060 mm	640 x 632 x 1039 mm	527 x 453 x 445 mm	637 x 686 x 1037 mm
LED Indicator Lights	✓	✓	✗	✗	✓ (Individual)
Charging/Sync/Disinfection	Charging	Charging	Charging	Charging	Charging/Sync
Power Management	Adaptive Intelligent Charging	Self-monitoring, Smart AC Charging	Smart Cycle AC Charging	Smart AC charging	USB Type-C
Cable Management	✓	✓	✓	✓	✓
Individual AC Adapter Compartments	✓	✓	✓	✗	✗
Shelves	Sliding	Fixed	Fixed	Fixed	Sliding
Net Weight	80 kg (176.4 lbs)	65.6 kg (145 lbs)	E32c+: 52 kg (114.64 lbs) E24c+: 50 kg (110.23 lbs)	17 kg (37.48 lbs)	76 kg (168 lbs)
External Power Outlets	2	2	✗	✗	2
Warranty (Mechanical / Electrical)	10 yr / 5 yr	10 yr / 5 yr	10 yr / 5 yr	10 yr / 5 yr	10 yr / 5 yr

\* Specifications may vary depending on location and are subject to change without notice.

## Streaming Audio System






Model		SA-A5	
			
<b>Streaming Audio Box</b>		<b>Speakers</b>	
<b>Power Requirement</b>	AC 100 - 240V to DC 19V / 3.42A	<b>Total Harmonic Distortion (THD)</b>	< 1% (1 KHz)
<b>Power Consumption</b>	65 W	<b>Frequency Response</b>	88 Hz to 25 KHz ± 3 dB
<b>Audio Output Power</b>	30 W RMS (15 W per channel) 65 W Peak (<1% THD 50 Hz to 15 KHz)	<b>Sensitivity/SPL</b>	88 dB SPL 1 W/1 m
		<b>Impedance</b>	6Ω nominal
<b>Dimensions (W x D x H)</b>	210 x 110 x 48.5 mm	<b>Mounting</b>	Wall mount
<b>Net Weight</b>	530 g	<b>Dimensions (W x D x H)</b>	250 x 155 x 170 mm
<b>Power Button</b>	Solid green: power on Solid red: standby mode (when connecting to power)	<b>Net Weight</b>	4.75 kg (10.47 lbs)
		<b>Microphones</b>	
<b>LED Indicator</b>	Solid blue: microphone(s) paired Off: microphone(s) not paired	<b>Wearing Type</b>	Clip / lanyard
		<b>Transmission Type</b>	Wireless
<b>Input/Output</b>	<ul style="list-style-type: none"> <li>• PC: USB Type - C</li> <li>• ALD (Assistive Listening Device): 3.5 mm Stereo for assistive listening devices</li> <li>• Mic in: 3.5 mm Mono</li> <li>• UAC: USB 2.0 Type - A</li> <li>• Audio in: 3.5 mm Stereo</li> <li>• Line out: 3.5 mm Stereo</li> <li>• Speaker out: speaker push - in terminal connector block</li> <li>• Ethernet</li> <li>• Page mute port</li> </ul>	<b>Transmitting Frequency</b>	2.4 GHz
		<b>Frequency Response</b>	50 Hz to 20 KHz
		<b>Microphone</b>	Omni-directional
		<b>Battery Power</b>	3.7 V
		<b>Battery Life</b>	8 to 10 hours (fully charged)
		<b>Battery Type</b>	Li - ion (rechargeable & removable)
		<b>Operating Range</b>	20 m (65 ft)
		<b>Volume Control</b>	Up / down buttons
<b>Kensington Lock</b>	Yes	<b>Safety Alert</b>	SOS Button (Teacher Microphone Only)
<b>Storage Conditions</b>	Temperature: - 30°C to + 60°C Humidity: - 10% to 90%	<b>Input/Output</b>	Mic in: 3.5 mm Mono USB 2.0 Type - C
		<b>Dimensions (W x D x H)</b>	Microphone: 73.3 x 33.0 x 20.2 mm Receiver: 55 x 10 x 30 mm
<b>Operating Conditions</b>	Temperature: 0°C to + 40°C Humidity : 10% to 90%	<b>Net Weight</b>	35 g
<b>Speakers</b>			
<b>Power Output</b>	15 W RMS each		
<b>Warranty</b>	SAA5: 5 Years, Accessories: 1 Year		

## Distance Learning Cameras






Model		DL30		DL10	
					
<b>Camera</b>					
<b>Effective Picture Elements</b>	2 Megapixels CMOS				
<b>Output Resolution</b>	Full HD 1080p 60fps				
<b>Optical Zoom</b>	12X	3X			
<b>HFOV</b>	76.5° (Wide) to 6.8° (Tele)	82° (Wide) to 31.7° (Tele)			
<b>Pan/Tilt Rotation</b>	Pan: ± 170°, Tilt: ± 90°				
<b>Pan/Tilt Speed</b>	Pan: 1° to 90°/sec, Tilt: 7.85° to 45°/sec	Pan: 1° to 100°/sec, Tilt: 10.8° to 100°/sec			
<b>Preset Speed</b>	Pan: 120°/sec, Tilt: 110.84°/sec	Pan: 200°/sec, Tilt: 200°/sec			
<b>Output Interfaces</b>	IP, USB				
<b>USB Video Formats</b>	MJPEG, YUY2				
<b>UVC</b>	UVC 1.1				
<b>UAC</b>	UAC 1.0				
<b>Control Interfaces</b>	IP, USB				
<b>Network Protocols</b>	Pv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP				
<b>Control Protocols</b>	VISCA (IP), CGI (IP), USB				
<b>Auto Tracking Modes</b>	Presenter Mode, Zone Mode, Hybrid Mode				
<b>Gesture Control</b>	Tracking Control: Tracking On/Off, Full/Upper Body, Camera Control: Zoom In/Out				
<b>Protection Modes</b>	Privacy Mode, Sleep Mode				
<b>Microphones</b>					
<b>Built-in Microphones</b>	–	2 (Omnidirectional)			
<b>Noise Suppression</b>	–	Yes			
<b>Pickup Range</b>	–	5 m			
<b>Sensitivity</b>	–	-33 dBFS			
<b>Frequency Response</b>	–	30 Hz to 20 KHz			
<b>Maximum SPL</b>	–	129 dB SPL at 0.5 m			
<b>Warranty</b>	Camera: 3 Years, Accessories: 1 Year				

\* Specifications may vary depending on location and are subject to change without notice.

# Pro AV Cameras




Model	 TR335 TR335N	 TR315 TR315N	 TR211	 PTC330UV2	 PTC320UV2 PTC320UNV2
<b>PTZ Camera</b>					
Effective Picture Elements	8 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS	2 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS
Output Resolution	4K 60fps	4K 60fps	Full HD 1080p 60fps	4K 30fps	4K 30fps
Optical Zoom	30X	12X	12X	30X	21X
HFOV	62.3° (Wide) to 2.5° (Tele)	72.8° (Wide) to 6.7° (Tele)	72.8° (Wide) to 6.7° (Tele)	65.1° (Wide) to 2.34° (Tele)	52.26° (Wide) to 2.66° (Tele)
<b>Panoramic Camera</b>					
Effective Picture Elements	–	–	–	–	–
Output Resolution	–	–	–	–	–
HFOV	–	–	–	–	–
<b>Camera Operation</b>					
Pan/Tilt Rotation	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°
Pan/Tilt Speed	0.1° to 100°/sec	0.1° to 100°/sec	0.1° to 100°/sec	0.1° to 100°/sec	0.1° to 100°/sec
Preset Speed	200°/sec	200°/sec	200°/sec	200°/sec	200°/sec
Output Interfaces	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
USB Video Formats	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2
UVC	UVC1.1	UVC1.1	UVC1.1	UVC1.1	UVC1.1
UAC	UAC1.0	UAC1.0	UAC1.0	UAC1.0	UAC1.0
Control Interfaces	RS-232 (DIN8), RS-422 (RJ45), IP, USB				
Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP				
Control Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF				
NDI® HX	NDI® HX2 (TR335N only)	NDI® HX2 (TR315N only)	License Upgrade	License Upgrade	NDI® HX2 (PTC320UNV2 only)
Auto Tracking Modes / AI Functions	Presenter Mode, Zone Mode, Hybrid Mode				
Warranty	Camera: 5 Years, Accessories: 1 Year				

\* Specifications may vary depending on location and are subject to change without notice.


 <b>PTC310UV2</b>	 <b>PTC310HWV2</b>	 <b>TR535 TR535N</b>	 <b>PTC500+</b>	 <b>PTC115+</b>
8 Megapixels Exmor CMOS	2 Megapixels Exmor CMOS	8 Megapixels CMOS	2 Megapixels CMOS	2 Megapixels CMOS
4K 30fps	Full HD 1080p 60fps	4K 60fps	Full HD 1080p 60fps	Full HD 1080p 60fps
12X	12X	30X	30X	22X
70° (Wide) to 6° (Tele)	70° (Wide) to 6° (Tele)	62.3° (Wide) to 2.5° (Tele)	65° (Wide) to 2.3° (Tele)	65° (Wide) to 2.3° (Tele)
–	–	8 Megapixels CMOS	2 Megapixels CMOS	2 Megapixels CMOS
–	–	4K 30fps	Full HD 1080p 60fps	Full HD 1080p 60fps
–	–	110°	110°	110°
Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°	Pan: ±175°, Tilt: +90°/-30°	Pan: ±175°, Tilt: +90°/-30°
0.1° to 100°/sec	0.1° to 100°/sec	0.1° to 100°/sec	2° to 50°/sec	2° to 50°/sec
200°/sec	200°/sec	200°/sec	160°/sec	160°/sec
3G-SDI, HDMI, IP, USB	HDMI, IP, USB	3G-SDI, HDMI x 2, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2
UVC1.1	UVC1.1	UVC1.1	UVC1.1	UVC1.1
UAC1.0	UAC1.0	UAC1.0	UAC1.0	UAC1.0
RS-232 (DIN8), RS-422 (RJ45), IP, USB			RS-232, IP, USB	RS-232, IP, USB
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, DHCP, RTP/RTCP, RTSP, RTMP, VISCA Over IP, ONVIF	
VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF			VISCA (RS-232/IP), PELCO-D & PELCO-P (RS-232), CGI (IP)	
License Upgrade	License Upgrade	Full NDI® (TR535N only)	–	–
Presenter Mode, Zone Mode, Hybrid Mode		Presenter Mode, Zone Mode, Hybrid Mode, Segment Mode	Wide Area Mode, Stage Mode, Segment Mode	
Camera: 5 Years, Accessories: 1 Year			Camera: 3 Years, Accessories: 1 Year	

\* Specifications may vary depending on location and are subject to change without notice.

## Pro AV Cameras

Model	 PTZ330UV2 PTZ330UNV2	 PTZ310UV2 PTZ310UNV2	 PTZ231 PTZ211
<b>PTZ Camera</b>			
Effective Picture Elements	8 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS	2 Megapixels CMOS
Output Resolution	4K 60fps	4K 60fps	Full HD 1080p 60fps
Optical Zoom	30X	12X	30X / 12X
HFOV	62.3° (Wide) to 2.5° (Tele)	72.8° (Wide) to 6.7° (Tele)	30X: 62.3° (Wide) to 2.5° (Tele) 12X: 72.8° (Wide) to 6.7° (Tele)
<b>Panoramic Camera</b>			
Effective Picture Elements	–	–	–
Output Resolution	–	–	–
HFOV	–	–	–
<b>Camera Operation</b>			
Pan/Tilt Rotation	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°
Pan/Tilt Speed	0.1° to 100°/sec	0.1° to 100°/sec	0.1° to 100°/sec
Preset Speed	200°/sec	200°/sec	200°/sec
Output Interfaces	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
USB Video Formats	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2
UVC	UVC1.1	UVC1.1	UVC1.1
UAC	UAC1.0	UAC1.0	UAC1.0
Control Interfaces	RS-232, RS-422, IP, USB	RS-232, RS-422, IP, USB	RS-232, RS-422, IP, USB
Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP		
Control Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), ONVIF		
NDI® HX	NDI® HX3 (PTZ330UNV2 only)	NDI® HX3 (PTZ310UNV2 only)	License Upgrade
Auto Tracking Modes / AI Functions	SmartShoot	SmartShoot	SmartShoot
Warranty	Camera: 5 Years, Accessories: 1 Year		

## Matrix Tracking Box

Model	 MT300 MT300N
<b>Matrix Tracking Box</b>	
Power requirement	AC 100 - 240V to DC 12V/1.5A
Power consumption	18W
Dimensions (W x D x H)	15.0 x 21.0 x 4.3 cm
Net weight	0.9 (± 0.1) kg
LED indicator: STATUS	Orange: power on Green: operating Green (flashing): firmware upgrading
LED indicator: USB	Green: connected and standby Green (flashing): UVC / UAC streaming
LED indicator: LAN	Green: connected
Resolution	Inputs: up to 1080p 60 fps Outputs: up to 4K 60 fps
Storage conditions	Temperature: -20°C to + 60°C Humidity: 20% to 95%
Operating conditions	Temperature: 0°C to + 50°C Humidity: 20% to 80%
Inputs	HDMI x 3, USB 2.0 Type-A x 3, RS-422 x 1 RJ-45 x 1, PoE+ x 1
Outputs	HDMI x 2, USB 3.0 Type-B x 2
Communication protocol	RS-422
PoE+	Yes, 42.5 V ~ 57V 0.6 A
NDI® HX	Yes (MT300N only)
Security	Kensington lock
Buttons	Power, Reset
Mounting bracket	Yes
Certification	CE, FCC, BSMI, NCC, IC, VCCI, UKCA, EAC
Warranty	5 Years

\* Specifications may vary depending on location and are subject to change without notice.

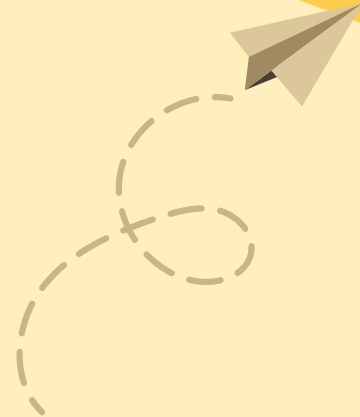
# AVer Takes Care of Customers:

- Installation & Operation Services
- Technical Support
- Customized Trainings

Contact us

✉ IPE.Sales@aver.com

☎ +886 (2) 2269 8535





**AVer Information Inc.**

©2024 AVer Information Inc. All rights reserved.  
All brands and logos are trademarks of their respective companies.

Distributor/Dealer