



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 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 classroom shelves with books and supplies.

# 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.



# 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.

AI Circle to Search & AI Image Generator



## 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

# Mechanical Arm

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.



 Circle to Search & AI Image Generator

## 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

 Circle to Search & AI Image Generator

## M11WB

- 4K Ultra HD 30fps
- 13 Megapixels
- 29X Total Zoom
- USB 3.0 Type-C Output



## M11-8MV

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



M11-8MV  
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 limitations and take learning anywhere.



Circle to Search & AI Image Generator

## 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



Circle to Search & AI Image Generator

## F50+

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



Circle to Search & AI Image Generator

## 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

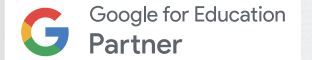
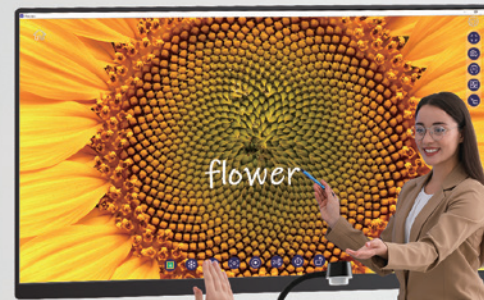


## U50+

- 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 enables one-touch connection of AVer visualizers with mobile devices for seamless content sharing. Its AI features, including Circle to Search powered by Google Lens™ and advanced AI Image Generator, enhance teaching efficiency and creativity.



### AVerTouch for Android™

AVerTouch connects AVer visualizers to Android™ Interactive Flat Panel Displays (IFPDs), Chromebooks, and tablets for instant content sharing. Teachers can display, annotate, and present live materials with ease, making lessons more interactive and efficient.

AVerTouch &  
Google Classroom  
Video



\* Android is a trademark of Google LLC.

# CHARGING CARTS

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

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 SYSTEMS

*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 AmpliWave

- All-in-one Classroom Audio System for Standard Classrooms
- Compatible with Assistive Listening Devices
- Safety Alert Notification through Microphone SOS Button
- Equipped with HDMI In/Out (SA-A5 Only)
- Integrates with Public Address Systems (AmpliWave Only)



## AmpliWave Go

- Portable Audio System for On-the-Go Teaching
- Voice Priority Technology
- Compatible with Assistive Listening Devices
- Compact and Easy to Set Up for Flexible Classroom Use
- Supports Bluetooth® 5.4 and USB Connections

# 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 60fps
- 12X Optical Zoom
- Gesture Control AI
- AI Auto Tracking Modes:  
Presenter/Zone/Hybrid Mode



DL30  
Intro Video



## DL10 USB Type-B

- Full HD 1080p 60fps
- 3X Optical Zoom
- 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



### Value-added Software

 <p><b>CaptureShare</b> Connect Your PTZ Camera to Any Laptop or Desktop</p>	 <p><b>Cloud Management</b> Remotely Manage 1,000+ AVer Cameras via a Secure Cloud Portal</p>	 <p><b>Enterprise Management (PTZ Management)</b> Manage 200+ AVer PTZ Cameras via IP</p>
 <p><b>MT Control Panel</b> Wirelessly Manage Matrix Tracking Boxes from Your Mobile Device</p>	 <p><b>OBS Plugin for PTZ Cameras</b> Produce Unique Video Capturing with AVer PTZ Cameras</p>	 <p><b>PTZ Control Panel</b> Replace Your Remote Control with an iPad® &amp; iPhone®</p>
 <p><b>PTZ Link</b> Turn AVer's PTZ Camera to a Voice Tracking Camera</p>	 <p><b>Room Management (PTZApp 2)</b> Control AVer Cameras via USB with Conferencing Integration</p>	



## TR535

**NDI HIGH BANDWIDTH** Dante AV-H™

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



TR535 Intro Video

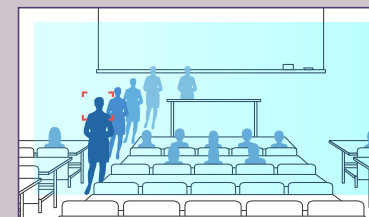


## TR615

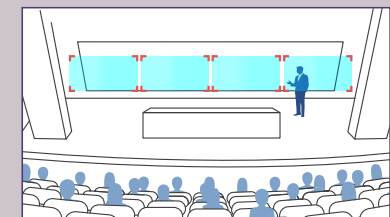
**NDI HX** Dante AV-H™

- 4K Ultra HD 60fps
- 19X Optical Zoom
- AI Auto Tracking Modes: Presenter/Zone/Hybrid

\* Available in 2025Q2



Presenter Mode



Zone Mode

# AI Auto Tracking PTZ Cameras



**TR335  
TR315  
TR211**

**NDI-HX3** Dante AV-H™

- 4K Ultra HD 60fps/  
Full HD 1080p 60fps
- 30X/12X Optical Zoom
- AI Auto Tracking Modes:  
Presenter/Zone/Hybrid



**PTC310UV2**

**NDI-HX3** Dante AV-H™

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



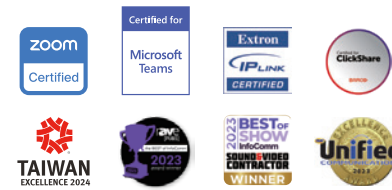
# Professional PTZ Cameras



**PTZ330UV2  
PTZ310UV2**

**NDI-HX3** Dante AV-H™

- 4K Ultra HD 60fps
- 30X/12X Optical Zoom
- AI Function: SmartShoot



**PTZ231  
PTZ211**

**NDI-HX3** Dante AV-H™

- Full HD 1080p 60fps
- 30X/12X Optical Zoom
- AI Function: SmartShoot



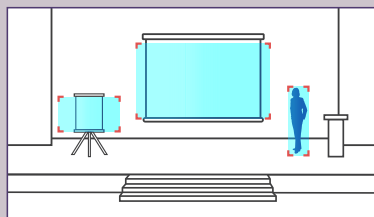
TR200 & TR300 Series  
Intro Video



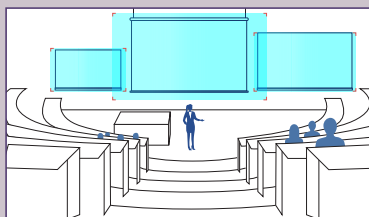
PTZ300V2  
Intro Video



PTZ200  
Promo Video



**Hybrid Mode**



**Segment Mode**

\* Only Dual Lens Models Have Segment Mode.

\* The Microsoft Teams Rooms Certification for TR335, PTZ330UV2, and PTZ231 are still in progress.

# 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

NDI-HX



- 4K Ultra HD 60fps
- NDI® HX3 Cameras Inputs
- NDI® HX2 Video Outputs
- Multiple Inputs/Outputs
- Built-In PTZ Link Premium
- Multi-Camera Voice Tracking



MT300  
Intro Video



# PROFESSIONAL PERIPHERALS

*Peripherals enhance control, streamline video production, and extend connectivity, forming a comprehensive ecosystem that simplifies AV management. These versatile solutions empower users to create seamless, high-quality content for broadcasting, streaming, and recording in any professional environment.*

## 4K BYOM Matrix Switcher Kit



### HUB35-EXT35

- 5x2 HDMI and USB Switching
- USB Extension up to 100 m
- Supports Dual-Screen
- AI Mode for 2 Connected AVer Devices

\* Available in 2025Q2

## 4K BYOM Matrix Switcher



### HUB30

- 4x2 HDMI and USB Switching
- Supports Dual-Screen
- Wireless Presentation and Conferencing via Room Management
- AI Mode for 2 Connected AVer Devices

\* Available in 2025Q2

## USB Extender



### UE1

- Transmit 4K Ultra HD Video at 60fps
- Extend USB 3.0 Signals up to 100m with CAT Cable
- PoE++ for Simplified AVer Camera Setup
- Flexible Integration for Pro AV System

UE1  
Intro Video








## PTZ Camera Controller



### CL01

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

# Visualizers






Model	 A30	 M90UHD	 M15-13M	 M11WB	 M11-8MV
Type	All-In-One	Mechanical			
Sensor (MP)	13	13	13	13	8
Wireless Connectivity	✗	✗	✗	✓	✗
Digital Zoom	23X	23X	23X	29X	20X
Optical Zoom	1X	14X	1X	1X	1X
Max Display Resolution	4K	4K	4K	4K	1080p, 3168 x 2376 (USB)
Shooting Area	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3
Max FPS	60fps	60fps	60fps	Full HD 1080p 60fps, 4K 30fps	60fps
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	3 Years	3 Years

\* 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	8
✓	✓	✗	✗	✗	✗
23X	23X	23X	23X	16X	16X
10X	1X	10X	1X	1X	1X
4K	4K	4K	4K	4K	3264 x 2448 (8M)
Larger than A3	Larger than A3	Larger than A4	Larger than A3	Larger than A3	Larger than A3
60fps	60fps	60fps	60fps	Full HD 1080p 60fps, 4K 30fps	Full HD 1080p 60fps, 3264 x 2448 15fps
USB	✗	SD / USB	SD / USB	✗	✗
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓
✗	✗	✓	✓	✗	✗
✗	✗	✗	✗	✗	✗
✓	✗	✓	✓	✗	✗
✗	✗	✗	✗	✗	✗
Out / In	Out	Out / In	Out / In	✗	✗
✗	✗	Out / In	Out / In	✗	✗
✗	✗	✓	✗	✗	✗
✓	✗	✓	✓	✗	✗
✓	✓	✗	✗	✗	✗
5 Years	3 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	686 x 589 x 1037 mm
LED Indicator Lights	✓	✓	✗	✗	✓ (Individual)
Charging/Sync	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 Years / 5 Years	10 Years / 5 Years	10 Years / 5 Years	10 Years / 5 Years	10 Years / 5 Years

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

## Streaming Audio Systems





Model	SA-A5 AmpliWave	AmpliWave Go
Speaker		
Power Output	15 W RMS each	30 W RMS (Mono)
Total Harmonic Distortion (THD)	< 1% (1 kHz)	< 1% (1 kHz)
Frequency Response	88 Hz to 25 kHz $\pm$ 3 dB	70 Hz to 20 kHz
Sensitivity/SPL	88 dB SPL 1 W/1 m	91 dB SPL 1 W/1 m
Impedance	6 $\Omega$ nominal	6 $\Omega$ nominal
Mircophones		
Wearing Type	Clip/Lanyard	
Transmission Type	Wireless	
Transmitting Frequency	2.4 GHz	
Frequency Response	50 Hz to 20 kHz	
Microphone	Omni-directional	
Battery Power	3.7 V	
Battery Life	8 to 10 Hours (Fully Charged)	
Battery Type	Li-ion (Rechargeable & Removable)	
Safety Alert	SOS button (Teacher Microphone Only)	No
Input/Output	<ul style="list-style-type: none"> <li>• Mic in: 3.5 mm Mono</li> <li>• USB 2.0 Type-C</li> </ul>	
Streaming Audio Box		
Audio Output Power	30 W RMS (15 W per Channel)	—
Input/Output	PC: USB Type-C, ALD (Assistive Listening Device): 3.5 mm Stereo for Assistive Listening Devices, Mic in: 3.5 mm Mono, UAC: USB 2.0 Type-A, Audio in: 3.5 mm Stereo, Line out: 3.5 mm Stereo, Speaker out: Speaker push-in Terminal Connector Block, Ethernet, HDMI In/Out: HDMI 2.0 (SA-A5 Only), Page Mute Port (AmpliWave Only)	
Warranty	SA-A5 / AmpliWave / AmpliWave Go: 5 Years ; Accessories: 1 Year	

## Distance Learning Cameras

Model	DL30	DL10
Camera		
Effective Picture Elements	2 Megapixels CMOS	
Output Resolution	Full HD 1080p 60fps	
Optical Zoom	12X	3X
HFOV	76.5° (Wide) to 6.8° (Tele)	82° (Wide) to 31.7° (Tele)
Pan/Tilt Rotation	Pan: $\pm$ 170°, Tilt: $\pm$ 90°	
Pan/Tilt Speed	Pan: 1° to 90°/sec, Tilt: 7.85° to 45°/sec	Pan: 1° to 100°/sec, Tilt: 10.8° to 100°/sec
Preset Speed	Pan: 120°/sec, Tilt: 110.84°/sec	Pan: 200°/sec, Tilt: 200°/sec
Output Interfaces	IP, USB	
USB Video Formats	MJPEG, YUY2	
UVC	UVC 1.1	
UAC	UAC 1.0	
Control Interfaces	IP, USB	
Network Protocols	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP	
Control Protocols	VISCA (IP), CGI (IP), USB	
Auto Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode	
Gesture Control	Tracking Control: Tracking On/Off, Full/Upper Body, Camera Control: Zoom In/Out	
Protection Modes	Privacy Mode, Sleep Mode	
Microphones		
Built-in Microphones	—	2 (Omnidirectional)
Noise Suppression	—	Yes
Pickup Range	—	5 m
Sensitivity	—	-33 dBFS
Frequency Response	—	30 Hz to 20 KHz
Maximum SPL	—	129 dB SPL at 0.5 m
Warranty	Camera: 3 Years, Accessories: 1 Year	

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

# Pro AV Cameras

Model	 <b>TR535</b>	 <b>PTC500+ PTC115+</b>	 <b>TR335 TR315</b>	 <b>TR211</b>
<b>PTZ Camera</b>				
<b>Effective Picture Elements</b>	8 Megapixels CMOS	2 Megapixels CMOS	8 Megapixels Exmor CMOS	2 Megapixels Exmor CMOS
<b>Output Resolution</b>	4K 60fps	Full HD 1080p 60fps	4K 60fps	Full HD 1080p 60fps
<b>Optical Zoom</b>	30X	30X/22X	30X/12X	12X
<b>HFOV</b>	62.3° (Wide) to 2.5° (Tele)	30X: 65° (Wide) to 2.3° (Tele) 22X: 67° (Wide) to 3.7° (Tele)	30X: 62.3° (Wide) to 2.5° (Tele) 12X: 72.8° (Wide) to 6.7° (Tele)	72.8° (Wide) to 6.7° (Tele)
<b>Panoramic Camera</b>				
<b>Effective Picture Elements</b>	8 Megapixels CMOS	2 Megapixels CMOS	—	—
<b>Output Resolution</b>	4K 30fps	Full HD 1080p 60fps	—	—
<b>HFOV</b>	105°	110°	—	—
<b>Camera Operation</b>				
<b>Pan/Tilt Rotation</b>	Pan: ±170°, Tilt: +90°/-30°	Pan: ±175°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°
<b>Pan/Tilt Speed</b>	0.1° to 100°/sec	2° to 50°/sec	0.1° to 100°/sec	0.1° to 100°/sec
<b>Preset Speed</b>	200°/sec	160°/sec	200°/sec	200°/sec
<b>Output Interfaces</b>	3G-SDI, HDMI x 2, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
<b>USB Video Formats</b>	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2
<b>UVC</b>	UVC1.1	UVC1.1	UVC1.1	UVC1.1
<b>UAC</b>	UAC1.0	UAC1.0	UAC1.0	UAC1.0
<b>Control Interfaces</b>	RS-232 (DIN8), RS-422 (RJ45), IP, USB	RS-232, IP, USB	RS-232 (DIN8), RS-422 (RJ45), IP, USB	
<b>Network Protocols</b>	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	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	
<b>Control Protocols</b>	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)	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF	
<b>NDI®</b>	NDI® High Bandwidth	—	NDI® HX3	NDI® HX3
<b>Dante AV-H™</b>	Yes	Yes	Yes	Yes
<b>Auto Tracking Modes/AI Function</b>	Presenter Mode, Zone Mode, Hybrid Mode, Segment Mode	Wide Area Mode, Stage Mode, Segment Mode	Presenter Mode, Zone Mode, Hybrid Mode	Presenter Mode, Zone Mode, Hybrid Mode
<b>Warranty</b>	Camera: 5 Years, Accessories: 1 Year	Camera: 3 Years, Accessories: 1 Year	Camera: 5 Years, Accessories: 1 Year	Camera: 5 Years, Accessories: 1 Year

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



PTC330UV2  
PTC320UV2



PTC310UV2



PTC310HWV2



PTZ330UV2  
PTZ310UV2




PTZ231  
PTZ211


8 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS	2 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS	2 Megapixels Exmor CMOS
4K 30fps	4K 30fps	Full HD 1080p 60fps	4K 60fps	Full HD 1080p 60fps
30X/21X	12X	12X	30X/12X	30X/12X
30X: 65.1° (Wide) to 2.34° (Tele) 21X: 52.26° (Wide) to 2.66° (Tele)	70° (Wide) to 6° (Tele)	70° (Wide) to 6° (Tele)	30X: 62.3° (Wide) to 2.5° (Tele) 12X: 72.8° (Wide) to 6.7° (Tele)	30X: 62.3° (Wide) to 2.5° (Tele) 12X: 72.8° (Wide) to 6.7° (Tele)
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
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°
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
200°/sec	200°/sec	200°/sec	200°/sec	200°/sec
3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	HDMI, 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				
IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP				
VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF				
NDI® HX2	NDI® HX2	NDI® HX2	NDI® HX3	NDI® HX3
Yes	Yes	Yes	Yes	Yes
Presenter Mode, Zone Mode, Hybrid Mode	Presenter Mode, Zone Mode, Hybrid Mode	Presenter Mode, Zone Mode, Hybrid Mode	SmartShoot	SmartShoot
Camera: 5 Years, Accessories: 1 Year	Camera: 5 Years, Accessories: 1 Year	Camera: 5 Years, Accessories: 1 Year	Camera: 5 Years, Accessories: 1 Year	Camera: 5 Years, Accessories: 1 Year

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

## Matrix Tracking Box

Model	 MT300
<b>Power Requirement</b>	AC 100 - 240V to DC 12V/1.5A
<b>Power Consumption</b>	18 W
<b>Dimensions (W x H x D)</b>	150.0 x 43.0 x 210.0 mm
<b>Net Weight</b>	0.9 (± 0.1) kg
<b>LED Indicator: STATUS</b>	Orange: Power On Green: Operating Green (Flashing): Firmware Upgrading
<b>LED Indicator: USB</b>	Green: Connected and Standby Green (Flashing): UVC/UAC Streaming
<b>LED Indicator: LAN</b>	Green: Connected
<b>Resolution</b>	Inputs: Up to 1080p 60fps Outputs: Up to 4K 60fps
<b>Storage Conditions</b>	Temperature: -20°C to + 60°C Humidity: 20% to 95%
<b>Operating Conditions</b>	Temperature: 0°C to + 50°C Humidity: 20% to 80%
<b>Inputs</b>	HDMI x 3, USB 2.0 Type-A x 3, RS-422 x 1, RJ-45 x 1, PoE+ x 1
<b>Outputs</b>	HDMI x 2, USB 3.0 Type-B x 2, RJ-45 x 1
<b>Communication Protocol</b>	RS-422
<b>PoE+</b>	Yes, 42.5 V ~ 57V 0.6 A
<b>NDI® HX2</b>	Yes (Camera Output)
<b>NDI® HX3</b>	Yes (Camera Output)
<b>Security</b>	Kensington Lock
<b>Buttons</b>	Power, Reset
<b>Mounting Bracket</b>	Yes
<b>Certification</b>	CE, FCC, IC, VCCI, UKCA, KC, PSTI
<b>Warranty</b>	5 Years

## Professional Peripherals

Model	 UE1
<b>Power Source</b>	AC 100 - 240V to DC 54V/1.2A
<b>Power Consumption</b>	65 W
<b>Dimensions (W x H x D)</b>	164.0 x 32.5 x 118.0 mm
<b>Net Weight</b>	0.62 (± 0.1) kg
<b>USB Audio Class (UAC) Protocol</b>	USB 3.0
<b>USB Video Class (UVC) Protocol</b>	USB 3.0
<b>LED Indicators</b>	Yes, status and connections LED
<b>Output Resolution</b>	USB/HDMI Up to 4K 60fps
<b>Storage Conditions</b>	Temperature: -20 °C to +60 °C Humidity: 20% to 95%
<b>Operating Conditions</b>	Temperature: 0 °C to +40 °C Humidity: 20% to 80%
<b>Inputs</b>	RJ-45 x 1
<b>Outputs</b>	HDMI x 1, USB 3.0 Type-B x 1, RJ-45 x 1
<b>Power Supply to Cameras</b>	PoE++
<b>Transmission Distance</b>	100m (328ft.) over CAT5e/6/7 cable
<b>Transmission Rate</b>	Up to 5 Gbps
<b>Network Bandwidth</b>	1 Gbps
<b>Warranty</b>	5 Years

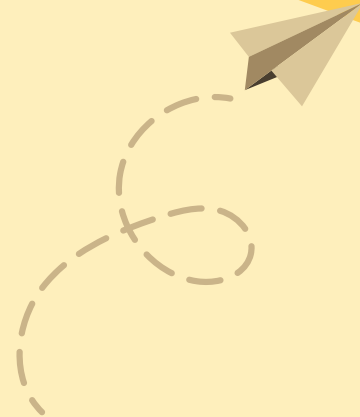
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