

The Aver logo is located in the top right corner of the image. It consists of the word "Aver" in a bold, sans-serif font. The "A" and "V" are in blue, while the "e" and "r" are in red. The background of the entire image is a bright, modern classroom. A female teacher with dark hair, wearing a blue and white striped shirt and a grey skirt, stands in the center, smiling and holding an open book. Several young students are seated at their desks, focused on their work. The classroom features large windows, a bookshelf with trophies, and indoor plants. An orange diagonal graphic element is present in the bottom left corner, containing the text for the product catalog.

Aver

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. A large yellow diagonal shape is overlaid on the bottom left of the image.

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.

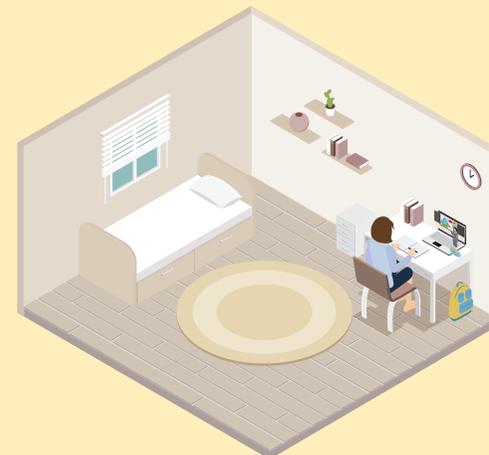
AVer Future Classroom

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



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
- 2nd Camera Support

A30
Intro Video



All-In-One

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



M17-13M



- Full HD 1080p 60fps
- 13 Megapixels
- 35.2X Total Zoom
- HDMI & VGA Output / Input



M17-13M
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



MECHANICAL ARM

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

* Available in 2023Q2

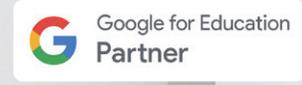


U50+

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

* Available in 2023Q2

USB



AVer Classroom Software

Install Infinite Teaching Possibilities



Sphere2
(For Teachers)

Teachers can access the visualizer menu and operate teaching functions through laptops or tablets.



ClassSend
(For Students)

Students can log into a virtual classroom to interact by receiving, editing, and sharing files.



CaptiSphere
(For Teachers & Students)

Teachers can easily edit videos, create materials, and give quizzes. Students can download the materials at any time.



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

USB CHARGING

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



DL10
AI TRACKING
CAMERA
FOR
DISTANCE
LEARNING

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, meeting rooms, and houses of worship.

Technology Partners



PTC330UV2

- 4K Ultra HD 30fps
- 30X Optical Zoom
- Upside-Down Installation
- No Extra Devices Needed
- License Upgrade to NDI®
- AI Auto Tracking Modes: Presenter/Zone/Hybrid



PTC320UV2 PTC320UNV2 NDI | X

- 4K Ultra HD 30fps
- 21X Optical Zoom
- Upside-Down Installation
- No Extra Devices Needed
- License Upgrade to NDI®*
- AI Auto Tracking Modes: Presenter/Zone/Hybrid

* License Upgrade to NDI® is only available for PTC320UV2



PTC300
Intro Video





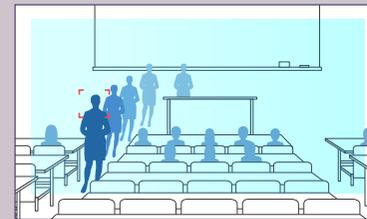
PTC310UV2

- 4K Ultra HD 30fps
- 12X Optical Zoom
- Upside-Down Installation
- No Extra Devices Needed
- License Upgrade to NDI®
- AI Auto Tracking Modes: Presenter/Zone/Hybrid

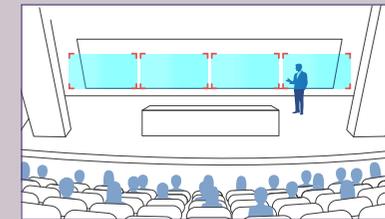


PTC310HWV2

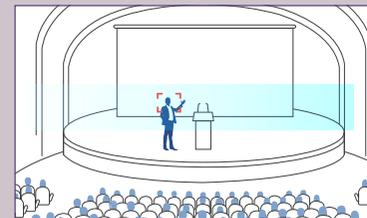
- Full HD 1080p 60fps
- 12X Optical Zoom
- Upside-Down Installation
- No Extra Devices Needed
- License Upgrade to NDI®
- AI Auto Tracking Modes: Presenter/Zone/Hybrid



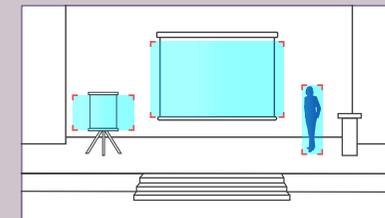
Wide Area Mode
Presenter Mode



Segment Mode
Zone Mode



Stage Mode



Hybrid Mode

License Upgrade
to NDI®





PTC500+

- Full HD 1080p 60fps
- 30X Optical Zoom
- Dual Lens Design
- No Extra Devices Needed
- Multi-Presenter Detection
- AI Auto Tracking Modes: Wide Area/Stage/Segment

PTC500S
Intro Video



PTC115+

- Full HD 1080p 60fps
- 22X Optical Zoom
- Dual Lens Design
- No Extra Devices Needed
- Multi-Presenter Detection
- AI Auto Tracking Modes: Wide Area/Stage/Segment

PTC115
Intro Video



PTZ330UV2 PTZ330UNV2 NDI|HX3

- 4K Ultra HD 60fps
- 30X Optical Zoom
- Upside-Down Installation
- AI Function: SmartShoot
- NDI®|HX3 Compatible*

* PTZ330UNV2 only
** Available in 2023Q2



PTZ310UV2 PTZ310UNV2 NDI|HX3

- 4K Ultra HD 60fps
- 12X Optical Zoom
- Upside-Down Installation
- AI Function: SmartShoot
- NDI®|HX3 Compatible*

* PTZ310UNV2 only



PTZ CAMERAS



CL01

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

Value-added Software



CaptureShare

Connect Your PTZ Camera to Any Laptop or Desktop



PTZ Control Panel

Replace Your Remote Control with an iPad® & iPhone®



PTZ Link

Turn AVer's PTZ Camera To a Voice Tracking Camera



PTZ Management

Change the Way You Manage 200+ PTZ Cameras



OBS Plugin for PTZ Cameras

Produce Unique Video Capturing with AVer PTZ Cameras

Visualizers Comparison Chart

Model	 A30	 M90UHD	 M17-13M	 M15-13M	 M11-8MV	 M5
Type	All-In-One	Mechanical				
Sensor (MP)	13	13	13	13	8	8
Wireless Connectivity	✗	✗	✗	✗	✗	✗
Digital Zoom	23X	23X	35.2X	23X	20X	16X
Optical Zoom	1X	14X	1X	1X	1X	1X
Max Display Resolution	4K	4K	1080p	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	Larger than A3
Max FPS	60fps	60fps	60fps	60fps	60fps	Full HD 1080p at 60fps, 3264 x 2448 at 15fps
External Storage	USB	SD / 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 / In	Out	Out	✗
VGA	✗	Out / In	Out / In	✗	Out	✗
RS-232	✗	Optional	✗	✗	✗	✗
Remote Control	✓	✓	✓	✗	✗	✗
Rechargeable Battery	✗	✗	✗	✗	✗	✗
Warranty	5 Years	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	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 at 60fps, 4K at 30fps	Full HD 1080p at 60fps, 3264 x 2448 at 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

Carts Comparison Chart

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 367 x 301 mm E24c+: 32 x 367 x 301 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.

Distance Learning Cameras Comparison Chart

Model	 DL30	 DL10
Camera		
Effective Picture Elements	2 Megapixels CMOS	2 Megapixels CMOS
Output Resolution	Full HD 1080p 60fps	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: ±170°, Tilt: ±90°	Pan: ±170°, Tilt: ±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	IP, USB
USB Video Formats	MJPEG, YUY2	MJPEG, YUY2
UVC	UVC 1.1	UVC 1.1
UAC	UAC 1.0	UAC 1.0
Control Interfaces	IP, USB	IP, USB
Network Protocols	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
Control Protocols	VISCA (IP), CGI (IP), USB	VISCA (IP), CGI (IP), USB
Auto Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode	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	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 Comparison Chart

Model	 PTC330UV2	 PTC320UV2 PTC320UNV2	 PTC310UV2	 PTC310HWV2
PTZ Camera				
Effective Picture Elements	8 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS	2 Megapixels Exmor CMOS
Output Resolution	4K 30fps	4K 30fps	4K 30fps	Full HD 1080p 60fps
Optical Zoom	30X	21X	12X	12X
HFOV	65.1° (Wide) to 2.34° (Tele)	52.26° (Wide) to 2.66° (Tele)	70° (Wide) to 6° (Tele)	70° (Wide) to 6° (Tele)
Panoramic Camera				
Effective Picture Elements	—	—	—	—
Output Resolution	—	—	—	—
HFOV	—	—	—	—
Camera Operation				
Pan/Tilt Rotation	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
Preset Speed	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	HDMI, IP, USB
USB Video Formats	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2
UVC	UVC1.1	UVC1.1	UVC1.1	UVC1.1
UAC	UAC1.0	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	RS-232, RS-422, IP, USB
Network Protocols	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP			
Control Protocols	VISCA (RS-232/RS-422/IP), PELCO-D & PELCO-P (RS-232/RS-422), CGI (IP)			
NDI® HX	License Upgrade	NDI® HX2 (PTC320UNV2 only)	License Upgrade	License Upgrade
Auto Tracking Modes / AI Functions	Presenter Mode, Zone Mode, Hybrid Mode	Presenter Mode, Zone Mode, Hybrid Mode	Presenter Mode, Zone Mode, Hybrid Mode	Presenter Mode, Zone Mode, Hybrid Mode
Warranty	Camera: 3 Years, Accessories: 1 Year			

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



PTC500+



PTC115+



PTZ330UV2
PTZ330UNV2



PTZ310UV2
PTZ310UNV2

2 Megapixels CMOS	2 Megapixels CMOS	8 Megapixels Exmor CMOS	8 Megapixels Exmor CMOS
Full HD 1080p 60fps	Full HD 1080p 60fps	4K 60fps	4K 60fps
30X	22X	30X	12X
65° (Wide) to 2.3° (Tele)	67° (Wide) to 3.7° (Tele)	62.3° (Wide) to 2.5° (Tele)	72.8° (Wide) to 6.7° (Tele)
2 Megapixels CMOS	2 Megapixels CMOS	—	—
Full HD 1080p 60fps	Full HD 1080p 60fps	—	—
110°	110°	—	—
Pan: ±175°, Tilt: +90°/-30°	Pan: ±175°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°	Pan: ±170°, Tilt: +90°/-30°
2° to 50°/sec	2° to 50°/sec	0.1° to 100°/sec	0.1° to 100°/sec
160°/sec	160°/sec	200°/sec	200°/sec
3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB	3G-SDI, HDMI, IP, USB
MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2
UVC1.1	UVC1.1	UVC1.1	UVC1.1
UAC1.0	UAC1.0	UAC1.0	UAC1.0
RS-232, IP, USB	RS-232, IP, USB	RS-232, RS-422, IP, USB	RS-232, RS-422, IP, USB
IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, ONVIF, VISCA over IP		IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP	
VISCA, Pelco-D, Pelco-P, CGI		VISCA (RS-232/RS-422/IP), PELCO-D & PELCO-P (RS-232/RS-422), CGI (IP)	
—	—	NDI® HX3 (PTZ330UNV2 only)	NDI® HX3 (PTZ310UNV2 only)
Wide Area Mode, Stage Mode, Segment Mode	Wide Area Mode, Stage Mode, Segment Mode	SmartShoot	SmartShoot



Product Warranty & Customer Service 20+ Years of Experience!

AVer delivers product design, R&D, and manufacturing, and a full warranty. Be confident in our product quality and enjoy timely service.

Aver Takes Care of Customers:

- Installation & Operation Services
- Technical Support
- Customized Trainings

Contact us
IPE.Sales@aver.com





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