AVer Classroom
Technology

Product Catalogue

AVer

CHANGING THE WORLD ONE CLASSROOM AT A TIME

Every time we support a classroom, we honour 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.
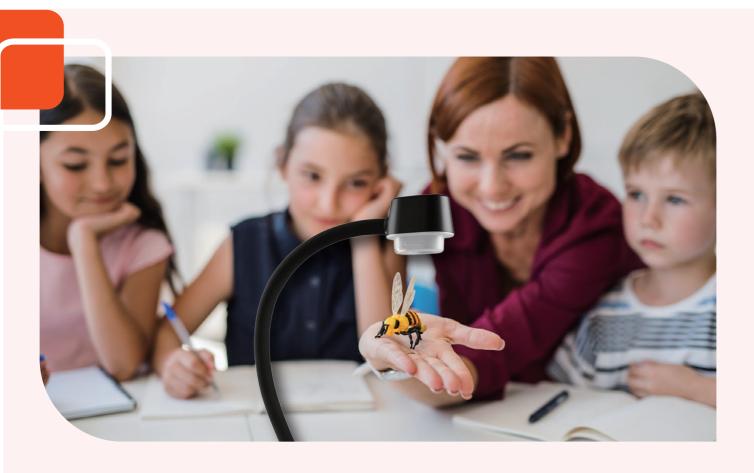
Classroom Technology Solutions

AVer Future Classroom

Create Online & Offline Environments

1. Visualisers
2. Wireless Visualisers
3. A+ Suite & AVerTouch Software
4. Charge, Disinfect & Sync Carts (Trolleys) / Stations
5. Interactive Control Boxes
6. PTZ Cameras
7. Distance Learning & Auto Tracking Cameras

Visualisers

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

– Theresa Brown
Broadneck Elementary School Teacher

✓ **Digitise All Kinds of Teaching Materials**

✓ **All-in-One for Presentations, Videos & Live Broadcasts**

✓ **Collaborative Learning with Classroom Software**

✓ **Distance Learning**

Visualiser Promo Video

Flexible Arm

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.

Flexible Arm Visualiser Solutions

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.

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

F50-8M
• Full HD 1080p 60fps
• 8 Megapixels
• 204X Total Zoom (10X Optical Zoom)
• HDMI & VGA Output / Input

F17-8M
• Full HD 1080p 30fps
• 8 Megapixels
• 27.2X Total Zoom
• HDMI & VGA Output / Input

M90UHD
• 4K Ultra HD 60fps
• 13 Megapixels
• 322X Total Zoom (14X Optical Zoom)
• HDMI & VGA Output / Input

M17-13M
• Full HD 1080p 60fps
• 13 Megapixels
• 35.2X Total Zoom
• HDMI & VGA Output / Input

M17-13M Intro Video

M5
• 3264 x 2448 (8M) Output Resolution
• 8 Megapixels
• 16X Digital Zoom (via AVerTouch)
• USB 2.0 Output

M5 Intro Video

Wireless

5G 2.4G

Wireless visualisers 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.

TAIWAN EXCELLENCE 2020

M70W

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

TECH&LEARNING BEST SHOW AT ISTE 2019 WINNER

GOOD DESIGN AWARD 2019

TAIWAN EXCELLENCE GOLD AWARD 2020

M15W

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

M70W & M15W
Intro Video

USB

USB visualisers 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.

TAIWAN EXCELLENCE 2019

U70+

- 4K Ultra HD 60fps
- 13 Megapixels
- 16X Total Zoom
- SuperSpeed USB 3.0 Output

U70
Intro Video

U50

- Full HD 1080p 60fps
- 5 Megapixels
- 8X Total Zoom
- Mini USB 2.0 Output

AVer Classroom Software
Install Infinite Teaching Possibilities

Sphere2 (For Teachers)

Teachers can access the visualiser 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.

AVerTouch

AVerTouch can one-touch connect AVer visualisers with mobile devices for content sharing. Users can sync to the cloud to automatically save annotated, captured, and recorded files. Teaching is incredibly fun when you use AVerTouch to engage with your students.

Charge & Sync Carts (Trolleys) / Cabinet

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

Cart (Trolley) / Cabinet
Promo Video

AC Charging

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

C36i+

Designed for
Microsoft Surface

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

E32c+

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

E24c+

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

E32c & E24c
Intro Video

C20i

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

C20i
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

X12

- 12-Device Capacity
- Intelligent Charging Technology
- Stack Devices However You Want
- Adjustable Device Dividers
- Patented Cable-Clip Management

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.

C30u+ USB Type-C

- 30-Device Capacity
- DC 5V/3A Charging Power
- USB Ports at the Front
- Smooth Slide-Out Shelves

Distance Learning Tracking Camera

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.

Boost Your Distance Learning with Auto Tracking

DL30 USB Type-B

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

Certified for ClickShare Conference BARCO

zoom Certified

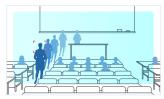DL30 Intro Video

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 Functions: Presenter/Zone/Hybrid Mode

DL10 Intro Video

Professional PTZ 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.
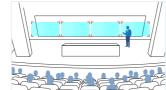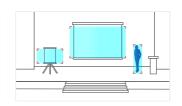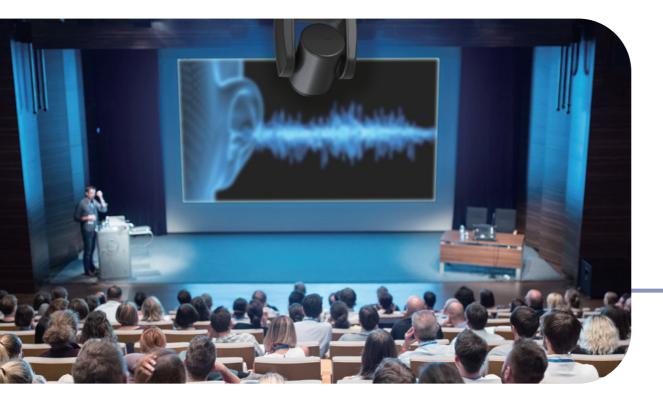
» **Wide Area Mode**
» **Presenter Mode**

» **Stage Mode**

» **Segment Mode**
» **Zone Mode**

» **Hybrid Mode**

Value-added Software

CaptureShare

PTZ Management

PTZ Control Panel

OBS Plugin for PTZ Cameras

PTZ Link

CL01

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

Auto Tracking Cameras

PTC500S

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

TAIWAN EXCELLENCE 2019

PTC500S
Intro Video

PTC330 PTC330N NDI|HX

• Full HD 1080p at 60fps
• 30X Optical Zoom
• Upside-Down Installation
• No Extra Devices Needed
• AI Auto Tracking Functions:
  Presenter/Zone/Hybrid Mode

PTC300 Series
Intro Video

PTC310U / PTC310UN NDI|HX
PTC310H / PTC310HN NDI|HX

• 4K Ultra HD 30fps
• 12X Optical Zoom
• Upside-Down Installation
• No Extra Devices Needed
• AI Tracking Modes:
  Presenter/Zone Mode

* PTC310H/PTC310HN has no 3G-SDI port.

ClickShare **TAIWAN EXCELLENCE SILVER AWARD 2021**

PTZ Cameras

Certified for **ClickShare** Conference

zoom Certified

PTZ330 / PTZ330N NDI|HX
PTZ310 / PTZ310N NDI|HX

• Full HD 1080p at 60fps
• 30X/12X Optical Zoom
• Upside-Down Installation
• No Extra Devices Needed
• AI Tracking Modes:
  SmartShoot/SmartFrame

** PTZ330, PTZ330N, PTZ310, and PTC310U receive Barco Certified Certifications.
*** PTZ310, PTZ310N and PTC310N receive Zoom Rooms Certifications.

TAIWAN EXCELLENCE 2019 **TAIWAN EXCELLENCE 2020**

PTZ330 & PTZ310
Intro Video

TECHNOLOGY PARTNERS

ADVANTECH *Enabling an Intelligent Planet*   ATEN   avalue *Technology Inc.*   AVerMedia   BARCO   CRESTRON   echo   Extron.

KALTURA   NewTek   Panopto   SRTALLIANCE *SECURE RELIABLE TRANSPORT*   telestream   vMix   zoom   SHURE   SENNHEISER

Visualiser Comparison Chart

Model	F50-8M	F17-8M	M90UHD	M17-13M	M15-13M	M11-8MV	M5	M70W	M15W	U70+	U50
Type	Flexible		Mechanical					Mechanical & Wireless		USB	
Sensor (MP)	8	8	13	13	13	8	8	13	13	13	5
Wireless Connectivity	x	x	x	x	x	x	x	√	√	x	x
Digital Zoom	20.4X	27.2X	23X	35.2X	23X	20X	16X	23X	23X	16X	8X
Optical Zoom	10X	1X	14X	1X	1X	1X	1X	10X	1X	1X	1X
Max Display Resolution	1080p	1080p	4K	1080p	4K	1080p 3168 x 2376 (USB)	3264 x 2448 (8M)	4K	4K	4K	1080p
Shooting Area	Larger than A4	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3	Larger than A3
Max FPS	60fps	30fps	60fps	60fps	60fps	60fps	Full HD 1080p at 60fps 3264 x 2448 at 15fps	60fps	60fps	60fps	30fps
External Storage	SD / USB	SD / USB	SD / USB	SD / USB	x	Micro SD / USB	x	USB	x	x	x
USB to PC	√	√	√	√	√	√	√	√	√	√	√
Webcam Support (UVC)	√	√	√	√	√	√	√	√	√	√	√
Built-in MIC	√	√	√	√	√	√	√	√	√	√	√
Speaker Out	√	√	√	√	x	x	x	x	x	x	x
One Touch Recording	√	√	√	√	x	√	x	√	x	x	x
Onboard Annotation	√	x	x	√	x	√	x	x	x	x	x
HDMI	Out / In	Out / In	Out / In	Out / In	Out	Out	x	Out / In	Out	x	x
VGA	Out / In	Out / In	Out / In	Out / In	x	Out	x	x	x	x	x
RS-232	√	x	Optional	x	x	x	x	x	x	x	x
Remote Control	√	√	√	√	x	x	x	√	x	x	x
Rechargeable Battery	x	x	x	x	x	x	x	√	√	x	x
Warranty	5 Years	5 Years	5 Years	5 Years	3 Years	3 Years	1 Year	5 Years	3 Years	2 Years	2 Years

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

Cart (Trolley) / Cabinet Comparison Chart

Model	C36i+	E32c+	E24c+	C20i	E12	X12	C30u+
Type	AC Charging						USB Charging
Device Capacity	36	32	24	20	12	12	30
Supported Devices	Up to 15"	Up to 15.6"	Up to 15.6"	Up to 16"	Up to 15.6"	Up to 15"	All USB Charged
Slot Dimensions (W x D x H) mm	36 x 380 x 260	26 x 367 x 301	32 x 367 x 301	36 x 419 x 330	30 x 425 x 311	34 x 419.1 x 304.8	34 x 380 x 225
Cart Dimensions (W x D x H) mm	790 x 634 x 1070	640 x 632 x 1039	640 x 632 x 1039	688 x 637 x 1060	527 x 453 x 445	614 x 483 x 448	637 x 686 x 1037
LED Indicator Lights	√	x	x	√	x	x	√ (Individual)
Sync/Charging	Charging	Charging	Charging	Charging	Charging	Charging	Sync / Charging
Power Management	Adaptive Intelligent Charging	Smart Cycle AC Charging	Smart Cycle AC Charging	Self-monitoring, Smart AC Charging	Smart Cycle AC Charging	Smart AC Charging	USB Type-C
Cable Management	√	√	√	√	√	√	√
Individual AC Adapter Compartments	√	√	√	√	x	x	x
Shelves	Sliding	Fixed	Fixed	Fixed	Fixed	Fixed	Sliding
Net Weight	80 kg (176.4 lbs)	52 kg (114.64 lbs)	50 kg (110.23 lbs)	65.6 kg (145 lbs)	17 kg (37.48 lbs)	22.5 kg (49.60 lbs)	76 kg (168 lbs)
External Power Outlets	2	x	x	2	x	x	2
Warranty	Mechanical: 10 Years ; Electrical: 5 Years						

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

Distance Learning Camera 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	—	Yes (Tracking On/Off, Full/Upper Body)
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.

Professional PTZ Camera Comparison Chart

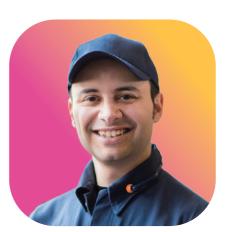| Model	PTC500S PTC500+	PTC330 PTC330N	PTC310U PTC310UN	PTC310H PTC310HN	PTZ330 PTZ330N	PTZ310 PTZ310N
PTZ Camera						
Effective Picture Elements	2 Megapixels CMOS	2 Megapixels CMOS	8 Megapixels CMOS	8 Megapixels CMOS	2 Megapixels CMOS	2 Megapixels CMOS
Output Resolution	Full HD 1080p 60fps	Full HD 1080p 60fps	4K 30fps	4K 30fps	Full HD 1080p 60fps	Full HD 1080p 60fps
Optical Zoom	30X	30X	12X	12X	30X	12X
HFOV	65° (Wide) to 2.3° (Tele)	65.1° (Wide) to 2.34° (Tele)	70° (Wide) to 6° (Tele)	70° (Wide) to 6° (Tele)	67° (Wide) to 2.3° (Tele)	72.5° (Wide) to 6.3° (Tele)
Panoramic Camera						
Effective Picture Elements	2 Megapixels CMOS	—	—	—	—	—
Output Resolution	Full HD 1080p 60fps	—	—	—	—	—
HFOV	110°	—	—	—	—	—
Camera						
Pan/Tilt Rotation	Pan: ±175 Tilt: +90°/-30°	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	2° to 50°/sec	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	160°/sec	200°/sec	200°/sec	200°/sec	200°/sec	200°/sec
Output Interfaces	3G-SDI HDMI IP USB (PTC500+ only)	3G-SDI HDMI IP USB	3G-SDI HDMI IP USB	HDMI IP USB	3G-SDI HDMI IP USB	3G-SDI HDMI IP USB
USB Video Formats	YUV, MJPEG (PTC500+ only)	MJPEG, YUY2	MJPEG, YUY2	MJPEG, YUY2	YUV, MJPEG, H.264	YUV, MJPEG, H.264
UVC	UVC1.1 (PTC500+ only)	UVC1.1	UVC1.1	UVC1.1	UVC1.1	UVC1.1
UAC	UAC1.0 (PTC500+ only)	UAC1.0	UAC1.0	UAC1.0	UAC1.0	UAC1.0
Control Interfaces	RS-232 IP USB (PTC500+ only)	RS-232 RS-422 IP USB	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	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, ONVIF[*], VISCA over IP					
Control Protocols	VISCA, Pelco-D, Pelco-P, CGI					
NDI® | HX	—	Yes (PTC330N only)	Yes (PTC310UN only)	Yes (PTC310HN only)	Yes (PTZ330N only)	Yes (PTZ310N only)
Auto Tracking Modes/AI Functions	Wide Area Mode Stage Mode Segment Mode	Presenter Mode Zone Mode Hybrid Mode	Presenter Mode Zone Mode Hybrid Mode	Presenter Mode Zone Mode Hybrid Mode	SmartFrame SmartShoot	SmartFrame SmartShoot
Warranty	Camera: 3 Years ; Accessories: 1 Year					

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

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
- Customised Trainings

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Distributor/Dealer