AVer

Professional
PTZ Cameras

/ Product Catalog /

EMBRACE
SUPERIOR ACCURACY

Broadcasting, streaming, and recording have never been this easy! AVer auto tracking and livestreaming PTZ cameras enable anyone to perfectly capture stunning content without hiring a professional AV technician, saving users time, energy, and money.

Featuring market-standard pinpoint accuracy and advanced targeting technology to go along with high resolution, these innovations are ideal solutions for the video capturing needs of education & distance learning, communication, sports & esports, gaming, government, house of worship, and health care.

Education & Distance Learning

Sports & Esports

House of Worship

Gaming

Communication

Government

Health Care
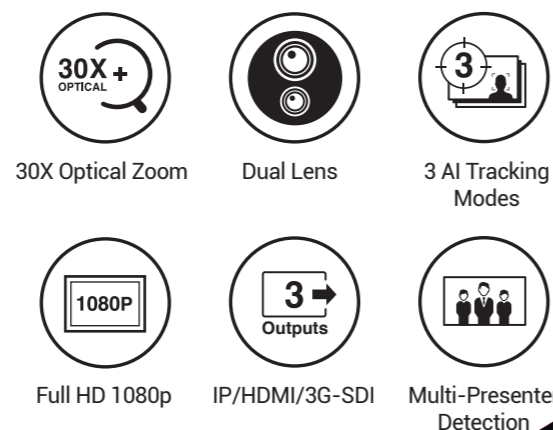
AI Auto Tracking Cameras

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, meeting rooms, stages, and houses of worship.
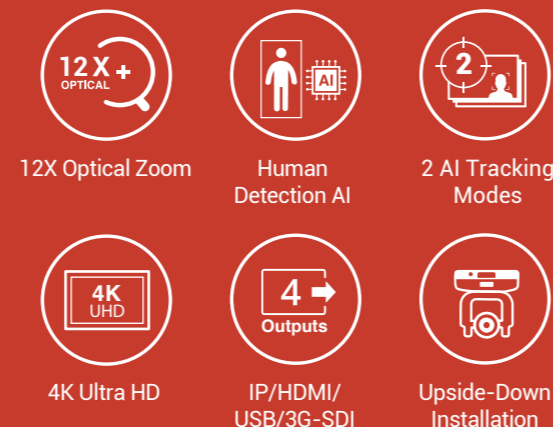
TAIWAN EXCELLENCE 2019

PTC500S

▸ Wide Area Mode ▸ Segment Mode
▸ Stage Mode

30X+ OPTICAL	Dual Lens	**3** AI Tracking
30X Optical Zoom	Dual Lens	3 AI Tracking Modes
1080P	**3 Outputs**	Multi-Presenter
Full HD 1080p	IP/HDMI/3G-SDI	Multi-Presenter Detection

PTC500S Intro Video

NDI®| HX

PTC310H / PTC310HN

▸ Presenter Mode
▸ Zone Mode

12X+ OPTICAL	Human Detection AI	**2**
12X Optical Zoom	Human Detection AI	2 AI Tracking Modes
4K UHD	**3 Outputs**	Upside-Down
4K Ultra HD	IP/HDMI/USB	Upside-Down Installation
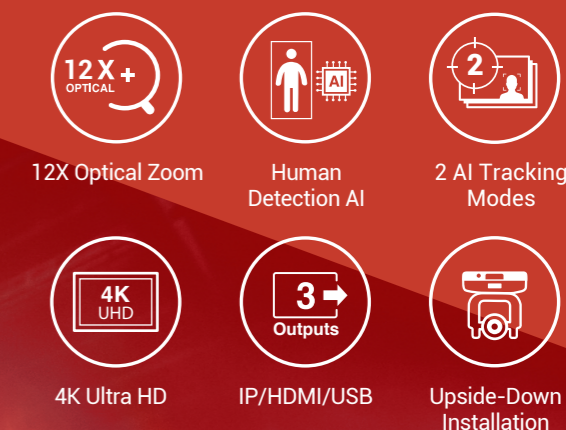
PTC300 Series Intro Video

NDI®| HX

TAIWAN EXCELLENCE 2021

PTC310U / PTC310UN

▸ Presenter Mode
▸ Zone Mode

12X OPTICAL	Human Detection AI	**2**
12X Optical Zoom	Human Detection AI	2 AI Tracking Modes
4K UHD	**4 Outputs**	Upside-Down
4K Ultra HD	IP/HDMI/USB/3G-SDI	Upside-Down Installation

NDI®| HX

PTC310 / PTC310N

▸ Presenter Mode
▸ Zone Mode

12X+ OPTICAL	Human Detection AI	**2**
12X Optical Zoom	Human Detection AI	2 AI Tracking Modes
1080P	**4 Outputs**	Upside-Down
Full HD 1080p	IP/HDMI/USB/3G-SDI	Upside-Down Installation
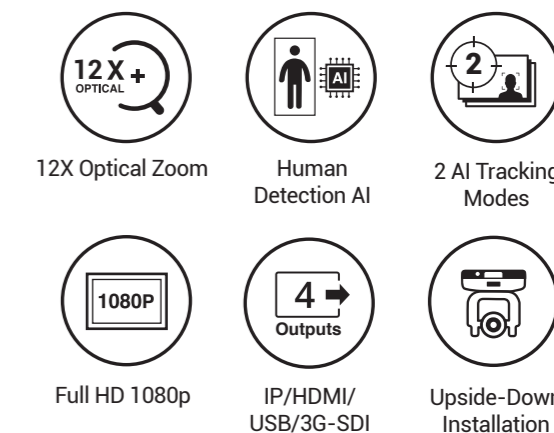
PTZ Cameras

AVer PTZ Cameras are sure to impress your audience with auto-framing and preset-tracking technology, highly versatile movement control, and a truly revolutionary video capturing experience. Enjoy efficient and simple setup, and create comprehensive NDI-based productions.
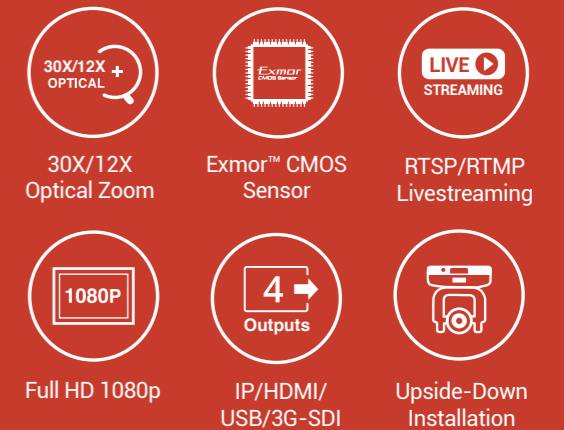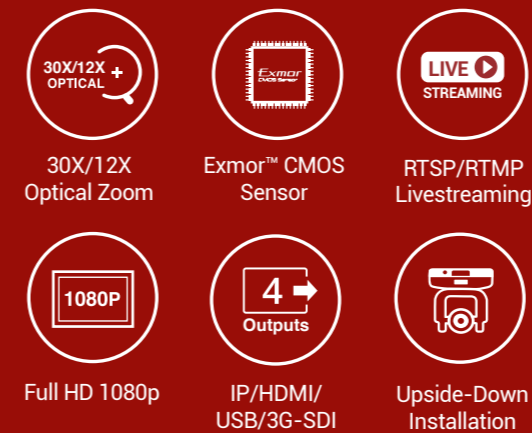
NDI®| HX **NDI®| HX**

PTZ330N / PTZ310N

▸ SmartShoot
▸ SmartFrame

30X/12X Optical Zoom	Exmor™ CMOS Sensor	RTSP/RTMP Livestreaming
Full HD 1080p	IP/HDMI/ USB/3G-SDI	Upside-Down Installation

PTZ330 / PTZ310

▸ SmartShoot
▸ SmartFrame

30X/12X Optical Zoom	Exmor™ CMOS Sensor	RTSP/RTMP Livestreaming
Full HD 1080p	IP/HDMI/ USB/3G-SDI	Upside-Down Installation

TAIWAN EXCELLENCE 2020

TAIWAN EXCELLENCE 2019

PTZ330 & PTZ310
Intro Video

PTZ Camera Controller

The ideal solution for education, conferencing, telemedicine, livestreaming & broadcasting!

CL01

Pan/Tilt/Zoom Speed Control

x 255
via IP
Control 255 PTZ Cameras

RS-232
RS-422
RS-485
IP
Multiple Control Interfaces

VISCA
Pelco-D
Pelco-P
VISCA/
Pelco-D/P

Software Add-Ons

PTZ Control Panel

Replace Your Remote Control with an iPad®

Camera Controls

2 4
3 1
Up to 256 Preset Points

Activate Auto Tracking

PTZ Management

Change the Way You Manage 100+ PTZ Cameras

Camera Control

Device & User Settings

Camera Management

CaptureShare

Connect your PTZ Camera to any laptop or desktop with AVer's CaptureShare.

Annotation   Recording   Streaming   Capturing

Comparison Chart

Model	PTC500S	PTC310U PTC310UN	PTC310H PTC310HN	PTC310 PTC310N	PTZ330 PTZ330N	PTZ310 PTZ310N
PTZ Camera						
Effective Picture Elements	2 Megapixels CMOS	8 Megapixels CMOS	8 Megapixels CMOS	2 Megapixels CMOS	2 Megapixels CMOS	2 Megapixels CMOS
Output Resolution	Full HD 1080p 60fps	4K 30fps	4K 30fps	Full HD 1080p 60fps	Full HD 1080p 60fps	Full HD 1080p 60fps
Optical Zoom	30X	12X	12X	12X	30X	12X
HFOV	65° (Wide) to 2.3° (Tele)	70° (Wide) to 6° (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	2 Megapixels CMOS	—	—	—	—
Output Resolution	Full HD 1080p 60fps	Full HD 1080p 60fps	—	—	—	—
HFOV	110°	110°	—	—	—	—
Camera Operation						
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	3G-SDI HDMI IP USB	HDMI IP USB	3G-SDI HDMI IP USB	3G-SDI HDMI IP USB	3G-SDI HDMI IP USB
USB Video Formats	—	H.264, H.265, MJPEG	H.264, H.265, MJPEG	H.264, H.265, MJPEG	YUV, MJPEG, H.264	YUV, MJPEG, H.264
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, IP	RS-232, RS-422, IP	RS-232, RS-422, IP	RS-232, RS-422, IP	RS-232, RS-422, IP	RS-232, RS-422, IP
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	—	Yes (only PTC310UN)	Yes (only PTC310HN)	Yes (only PTC310N)	Yes (only PTZ330N)	Yes (only PTZ310N)
Auto Tracking Modes	Wide Area Mode Stage Mode Segment Mode	Presenter Mode Zone Mode	Presenter Mode Zone Mode	Presenter Mode Zone 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.

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Distributor/Dealer

2021Q1