



# PTZ231

## 30X HD AI PTZ Camera

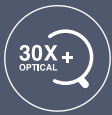


# Capture Your Events in True-to-life Video Quality with AI!

The AVer PTZ231 30X HD AI PTZ Camera is our latest generation of PTZs to offer the best image quality, video streaming support and AI functionality. The camera offers 30X optical zoom, HD resolution, 2MP picture with 60fps and simultaneous output of USB/IP/HDMI/3G-SDI. The PTZ231 includes a number of impressive upgrades from the previous generation PTZ330W, including new improved performance, USB 3.0, a tally light to identify the active camera, and two IR sensors for reliable operation. The camera also includes a ceiling mount and is SRT Ready to optimize video streaming performance across unpredictable networks. Built-in AI functions provide preset content areas or adjust FOV to capture everyone on screen. Includes the 5 year AVerCare warranty for peace of mind.



HD Resolution



30X Optical Zoom



4 Multi-Stream Capability



Supports PoE+



2MP Picture

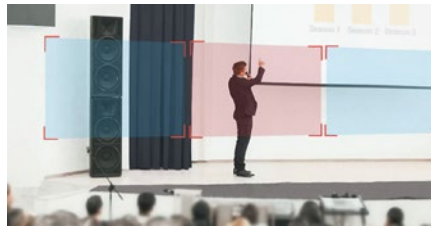


AI Functions



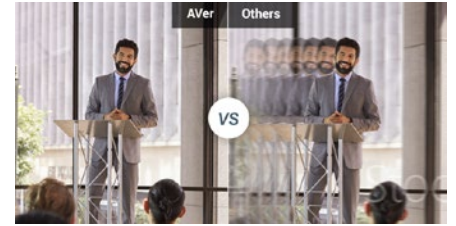
## Multi-Stream Capability

- Simultaneous output support from all ports, USB/IP/HDMI/3G-SDI.



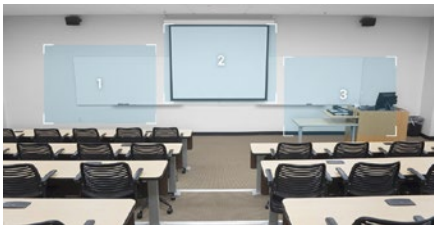
## Seamless Content Capture with SmartShoot AI Functions

- Optimize your camera controls for automatic content capturing between preset areas
- Create a multi-camera feel across all your preset zones
- Save time and effort with a variety of shooting ranges



## Advanced Motion Control

- Achieve precise camera movement during recording
- Pan/tilt rotation maneuvers as small as 0.1° per step and as fast as 200°
- Customizable speed controls allow you to optimize your recording



## Prepare for Any Angle

- Up to 256 different preset locations through VISCA via RS232 and RS422 functionality
- Simplified IR remote and the ability to set 10 preprogrammed preset locations
- Easy manual control of the recording view with outstanding preset locations



## Tally Light

Simplify multi-camera live video productions with an illuminated red light on the active camera.



## Free Software for Users and AV Managers

Whether you need a simple tool to control your PTZ or TR camera, or manage over a hundred on your network, AVer has great options. [CaptureShare](#) and [PTZ Management for desktop and AVer PTZ Control Panel for iPad](#) have you covered. For new voice tracking features, look to [PTZ Link](#). Visit our [support page](#) for easy download of our desktop software.



## Compatible Software

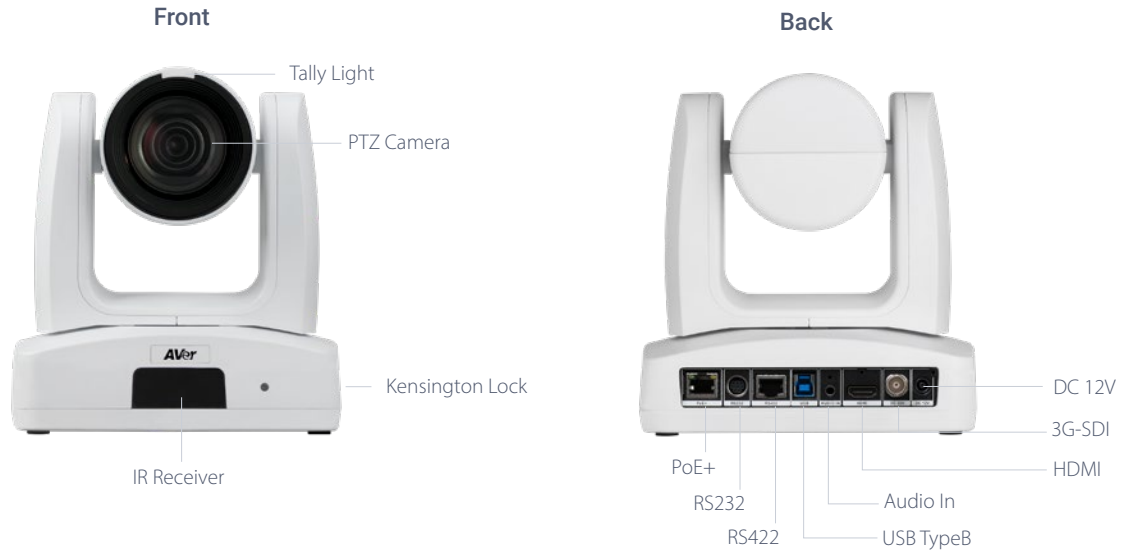


## Product Specifications

PTZ231		
<b>Camera</b>	Image Sensor	1/2.8" Full HD Exmor CMOS
	Effective Picture Elements	2 Megapixels
	Output Resolutions	1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50
	Minimum Illumination	0.46 lux (IRE50, F1.6, 30fps)
	S/N Ratio	> 50dB
	Gain	Auto / Manual
	TV Lines	1000 (Center/Wide)
	Shutter Speed	1/1 to 1/32,000 sec
	Exposure Control	Auto, Manual, Priority AE( Shutter, IRIS), BLC, WDR
	White Balance	Auto, Manual, ATW, One Push
	Optical Zoom	30X
	Digital Zoom	1X
	Viewing Angles	DFOV : 69.2° (Wide) to 2.8° (Tele), HFOV : 62.3° (Wide) to 2.5° (Tele), VFOV : 37.3° (Wide) to 1.4° (Tele)
	Focal Length	f = 4.5 mm (Wide) to 135 mm (Tele)
	Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)
	Minimum Working Distance	0.1 m (Wide), 1.2 m (Tele)
	Pan / Tilt Angles	Pan : ±170°, Tilt : +90° / -30°
	Pan / Tilt Speed (Manual)	Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec
	Preset Speed	Pan : 200° / sec, Tilt : 200° / sec
	Preset Positions	10 (IR), 256 (RS-232, RS-422, IP)
	Camera Control - Interfaces	RS-232 (DIN8), RS-422 (RJ45), IP
	Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP)
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror	
Power Frequencies	50 Hz, 60 Hz	
<b>AI Functions</b>	Modes	SmartShoot, SmartFrame
	Audio - Channel	2ch Stereo
	Audio - Codec	AAC-LC
<b>Interface</b>	Video Outputs	3G-SDI, HDMI, IP, USB
	Audio Outputs	3G-SDI, HDMI, IP, USB
	Audio Input	MIC in, Line in
<b>General</b>	Power Requirement	AC 100 - 240V to DC 12V/2A
	Power Consumption	19W
	PoE	PoE+
	Dimensions (W x H x D)	180.0 x 192.0 x 145.0 mm
	Net Weight	2.0 (±0.1) kg
	Application	Indoor
	Tally Light	Yes
	Security	Kensington Slot
	Remote Control	Infrared
	Operating Conditions	Temperature : 0 °C to +40 °C ; Humidity : 20% to 80%
	Storage Conditions	Temperature : -20 °C to +60 °C ; Humidity : 20% to 95%
	<b>IP Streaming</b>	Resolution
Network Video Compress Formats		H.264, H.265, MJPEG
Maximum Frame Rate		1080p60
Bit-Rate Control Modes		VBR, CBR (selectable)
Range of Bit-Rate Setting		512 Kbps to 120 Mbps
Network Interface		10 / 100 / 1000 Base-T
Multi-Stream Capability		4 - All Active Streams: IP, USB, HDMI, 3G-SDI
Network Protocols		IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDIP
NDI™HX3 Capability	N/A	
<b>USB</b>	Connector	USB 3.0 Type-B
	Video Formats	MJPEG, YUY2
	Maximum Video Resolution	1080p60
	USB Video Class (UVC)	UVC 1.1
	USB Audio Class (UAC)	UAC 1.0
<b>Web UI</b>	Live Video Preview	Yes
	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
	Camera / Image Adjustment	Exposure, White Balance
	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS

<b>Software Tools</b>	IP Search and Configuration Tool	Support Windows® 7 or later
	PTZ Management	Support Windows® 7 or later
	PTZ Control Panel	Supports iOS & iPadOS® 11 or later
	PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
	OBS Plugin for PTZ Cameras	Supports Windows® 8 or later, macOS® High Sierra v10.13 or later
<b>Warranty</b>	Camera	5 Years
	Accessories	1 Year
<b>Package Contents</b>	Camera, Drilling Paper, Ceiling Mount Bracket (x2), Quick Start Guide, Cable Fixing Plate, M2 x 4 mm Screw (x3), Power Adapter & Power Cord, 1/4"-20 L=6.5 mm Screw (x2), Remote Control, M3 x 6 mm Screw (x3), DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties (x4), HDMI Cable (x1)	
<b>Optional Accessories</b>	AVer CL01 PTZ Camera Controller, L-Type Ceiling Mount	
<b>Ordering Info</b>	Part Number	PAPTZ231W

## Hardware Specifications



**AVer Information Inc. Americas**  
 668 Mission Court, Fremont, CA 94539  
 Toll free 1.877.528.7824 T 408.263.3828 F 408.263.8132

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