STREAM SMARTER

AVer **PTZ231**

Professional PTZ Camera

AVer's PTZ231 is an advanced PTZ camera that gives you complete control over your streaming content. Enjoy professional-grade streaming with full HD 1080p outputs at 60 fps, a 30X optical zoom, and the cutting-edge SmartShoot feature. Upgrade your livestream performances and dazzle your audience with the PTZ231.

60 fps

Full HD 1080p Resolution

30X Optical Zoom

Exmor™ CMOS Sensor

SmartShoot

IP/HDMI/USB/3G-SDI

Superior Camera Motion

Intuitive Web UI

Upside-Down Installation

Voice Tracking*

* Voice Tracking requires PTZ Link.

Powerful Zoom: 30X Optical Precision

Experience amazing clarity as our 30X optical zoom camera and rapid autofocus bring every participant into sharp focus. And with advanced zoom performance, you won't overlook any crucial moment.

Elevated Clarity: FHD Resolution

The PTZ231 enhances your streaming experience with a high-quality Sony sensor and Full HD resolution. The image processor optimizes shot quality automatically, whether it's a close-up or an extreme long shot, delivering an impressive visual experience.

Simplified Connection: HDMI/USB/IP + 60fps

The PTZ231 supports seamless 60fps streaming capabilities across HDMI, USB, and IP outputs. Free yourself from intricate settings and cable clutter, all while managing multiple devices seamlessly and maintaining smooth video streaming.

Work Like a Pro: Fast & Precise

Indulge in the versatility of customizable movement speed, ranging from 0.1 ° to 200 ° per second, ensuring exceptional agility and precision. This sensitivity and seamless multi-angle movement allow you to capture captivating footage.

SmartShoot: Your Content Matters

With its built-in SmartShoot functionality, the PTZ231 uses live Human Detection to autonomously maneuver the camera across up to 4 preset zones. The camera remains focused on the presenter, swiftly transitioning between shooting zones as needed, delivering sharp images of both the presenter and their content.

PTZ Link: Voice Tracking for PTZ Cameras

Wish you had a way to connect your PTZ camera to a microphone system? Now you can, with PTZ Link — the only software that lets you combine a PTZ camera with audio pickup devices. Easily transform your AVer Pro AV Camera into a voice tracking camera with preset areas that let the camera automatically shift between various speakers. Take your streams from ordinary to extraordinary with PTZ Link' s seamless camera and audio integration.

Product Specifications

Camera	
Image Sensor	1/2.8" 1080p 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	0.5 lux (IRE50, F1.6, 30fps)
S/N Ratio	≥ 50 dB
Gain	Auto, Manual
TV Lines	1000 (Center)
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	12X
Total Zoom	360X
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), ONVIF
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC
Power Frequencies	50 Hz, 60 Hz
AI Function	
Mode	SmartShoot
Privacy Protection Mechanism	
Protection Mode	Sleep Mode
Audio	
Channels	2ch Stereo
Codecs	AAC-LC
Sample Rate	48 KHz
Interface	
Video Outputs	3G-SDI, HDMI, IP, USB
Audio Outputs	3G-SDI, HDMI, IP, USB
Audio Inputs	MIC in, Line in
Warranty	
Camera	5 Years
Accessories	1 Year

General	
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 Lamp	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%
IP Streaming	
Resolution	1080p 60fps
Network Video Compress Formats	H.264, H.265, MJPEG
Maximum Frame Rate	1080p 60fps
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 1080p 60fps: RTSP, HDMI, USB & 3G-SDI
Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
NDI® HX	License Upgrade to NDI HX2 available in 2024Q2
USB	
Connector	USB 3.1
Video Formats	MJPEG, YUY2
Maximum Video Resolution	1080p
USB Video Class (UVC)	UVC 1.1
USB Audio Class (UAC)	UAC 1.0
Web UI	
Live Video Preview	Yes
Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Camera / Image Adjustment	Exposure, White Balance, Picture
Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Software Tools	
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
CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later

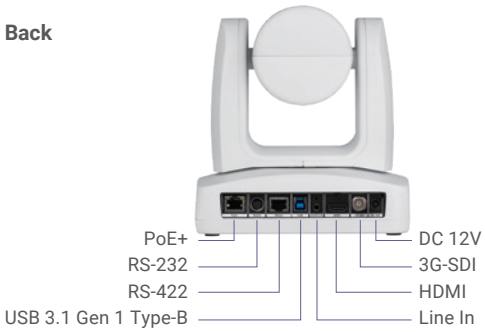
Package Contents	Camera, Drilling Paper, Ceiling Mount Bracket (x2), Quick Start Guide, Cable Fixing Plate (x2), M2 x 4 mm Screw (x3), Power Adapter & Power Cord, 1/4"-20 L=6.5 mm Screw (x2), Remote Control, M3 x 6 mm Screw (x3), DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Tie (x4)
Optional Accessories	AVer CL01 PTZ Camera Controller, L-Type Wall Mount

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

Product Appearance

Front

Back



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