

ALVISION 4K AI AUTO-TRACKING PTZ CAMERA

ALV-PTZ-10X/20X/30X



The ALVision 4K AI Auto-Tracking PTZ Camera is a high-end professional camera designed for advanced conferencing, training, education, and live broadcast environments. Powered by a 1/2.8" CMOS image sensor with 8.5 million pixels, the camera delivers ultra-sharp, vivid, and natural video output in true 4K resolution.

With intelligent AI auto-tracking, smooth PTZ movement, and long-range optical zoom options, the camera ensures precise framing of speakers and presenters without manual operation.

Built-in far-field microphones capture voices clearly up to 10 meters, making it ideal for medium to large meeting spaces.



- 4K AI Auto-Tracking PTZ Camera
- 1/2.8" CMOS Image Sensor (8.5 MP)
- 10X / 20X / 30X Optical Zoom Options
- Supports 4K / 2K / 1080p Video Output
- AI Voice & Presenter Tracking
- Built-In 4 Digital Microphone Array
- Wide Pan & Tilt Coverage with Smooth Motion
- USB 3.0, HDMI & IP Output Support
- Multiple Control Protocols for Professional AV Integration

APPLICATIONS

- Corporate Boardrooms & Conference Rooms
- Training & Presentation Halls
- Online Meetings & Video Conferencing
- Educational Institutions & Lecture Capture
- Broadcasting & Live Streaming
- Houses of Worship
- Government & Enterprise Meeting Rooms

FEATURES:

- Advanced ISP image processing for accurate color reproduction
- Fast and silent PTZ motor for smooth camera movement
- Wide dynamic range for clear visuals in varying lighting conditions
- Far-field audio clarity optimized for medium to large rooms
- Auto-save preset positions with power-off memory
- Flexible integration with conferencing and broadcast platforms
- Stable performance designed for long-hour professional operation

1 Years Warranty



SPECIFICATIONS

Specification	Details
Brand	ALVision
Product Name	4K AI Auto-Tracking PTZ Camera
Model	ALV-PTZ-10X/20X/30X
Usage	Professional Conference, Education & Broadcast Applications
Image Sensor	1/2.8" CMOS
Effective Pixels	8.5 MP
Minimum Illumination	0.1 Lux
Signal System	PAL / NTSC
Optical Zoom	10X / 20X / 30X (Optional)
Focal Length (10X)	4.2 mm – 42 mm
Focal Length (20X)	5.2 mm – 104 mm
Focal Length (30X)	6.0 mm – 180 mm
Horizontal Viewing Angle	67.5° – 7.6° (10X) / 72.5° – 6.57° (12X) / 58.7° – 3.2° (20X)
Shutter Speed	1/25 – 1/10000 s
Focus Mode	Auto / Manual
Exposure Control	Auto / Manual
Gain	Auto / Manual
White Balance	Auto / Indoor / Outdoor / Manual
Image Effects	Full Color / Black & White / Image Flip
Video Resolution	4K / 2K / 1080p / 720p
Frame Rate	Up to 30 fps
Video Compression	MJPEG / H.264
Video Output	USB 3.0 / HDMI / IP
Microphone Array	Built-In 4 Digital Microphones
Audio Sampling Rate	16 kHz / 48 kHz
Audio Sensitivity	–26 dBFS
Voice Pickup Distance	Up to 10 m
Pickup Angle	180°
Signal-to-Noise Ratio	65.5 dB
Audio Mode	Full Duplex
Pan Range	340°
Tilt Range	–30° to +90°
Pan Speed	Up to 60° / sec
Tilt Speed	Up to 60° / sec
Preset Positions	9 (Remote) / Up to 200 (PC)
Control Interface	RS-232 / RS-422 / USB / IP
Control Protocols	VISCA / VISCA over IP / PELCO P/D / ONVIF
Power Supply	DC 12V / 2A
Power Consumption	Up to 18W
Operating Temperature	0°C to +40°C
Storage Temperature	–10°C to +60°C
Operating Environment	Indoor
Dimensions	181 × 182 × 175 mm
Weight	1525 g
Warranty	1 Year