



24 Evoness SRL

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EVO-4K30PTZ-12X-VT



This dual-lens PTZ camera series has complete functions, excellent performance, and rich interfaces; advanced ISP processing technology and algorithms make the image true-to-life with uniform picture brightness. It supports H.265/H.264 encoding, making the picture smoother and clearer even under low bandwidth.

- **Deliver 4K UHD Image Quality:** Using 8.5 million pixel high-quality **SONY** CMOS image sensor, the maximum resolution can reach 4K (3840×2160), and the 4K output frame rate can reach up to 30 frames per second.
- **12 Optical Zoom:** 12 X optical zoom with 80.5° angle
- **Leading Auto-Focusing Technology:** The advanced auto-focusing algorithm enables the lens to complete auto-focusing quickly, accurately and stably.
- **Low Noise and High SNR:** Low-noise CMOS effectively guarantees ultra-high signal-to-noise ratio of camera video. Adopt advanced 2D and 3D noise reduction technology to further reduce noise while ensuring image clarity.
- **Multiple Video Output:** It supports HDMI, USB3.0, wired LAN, POE, USB3.0 supports dual stream
- **A variety of audio and video compression standards:** It supports YUY2, MJPEG, H.264, H.265, NV12 video encoding formats, MJPEG, H.264, H.265 support up to 3840 × 2160 resolution 30 frames / second compression; support AAC , MP3, G.711A audio compression.
- **Audio Input:** It supports AAC, MP3, G.711A audio encoding, AAC, MP3 encoding support 16000, 32000, 44100, 48000 sampling frequencies
- **Built-In Gravity Sensor:** The built-in gravity sensor supports the automatic turning function of the gimbal, which is convenient for engineering installation.
- **Multiple Network Protocols:** support ONVIF, GB/T28181, RTSP, RTMP, VISCA OVER IP, IP VISCA, RTMPS, SRT protocols; support RTMP push mode, easily link streaming media servers (Wowza, FMS); support RTP multicast mode



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- **Control Jack:** RS232-IN
- **Multiple Control Protocols:** It supports VISCA, PELCO-D, PELCO-P protocols, and supports automatic identification of protocols.
- **Super Quiet PTZ:** Adopts high-precision stepper motor and precision motor drive controller to ensure the PTZ runs smoothly at low speed and without noise.
- **Low-Power Sleep Function:** It supports low-power sleep/wake-up, and the power consumption during sleep is less than 400mW.
- **Multiple Presets:** Supports up to 255 presets (10 for remote control settings).
- **Intelligent Voice Positioning And Tracking:** Built-in 6 omnidirectional microphones array, intelligent voice positioning algorithm, can locate the position of the speaker in real time, and also can set voice tracking on/off.

Technical Specifications

Parameter/Model	12X
Lens	
Image Sensor	1/2.8inch high quality SONY CMOS sensor
Effective Pixel	8.29M, 16:9
Video Signal	HDMI: 4KP30、4KP25、1080P30、1080P25、1080P29.97; USB3.0: Main Stream: YUY2/NV12: 1920×1080/1280×720/1024×576/800×600/800×448/640×480/640×360/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps; Sub Stream: YUY2/NV12: 1920×1080/1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps;



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Close-up Lens	12X
Viewing Angle	H: 7.6° (N) ~80.5° (W)
Iris Value	F1.8 ~ F3.6
Digital Zoom	15X
Minimum Illumination	0.5Lux(F1.8, AGC ON)
DNR	2D& 3D
White Balance	Auto/Manual/One-Key White Balance/Specified Color Temperature
Focus Mode	Auto/Manual/One key focus
Exposure Mode	Auto, Manual, Shutter Priority, Aperture Priority, Brightness Priority
Iris	F1.8 ~ F11, CLOSE
Shutter Speed	1/25~1/20000
BLC	On/Off
Dynamic Range	Off, 1 ~ 8
Video Adjustment	Brightness, Hue, Saturation, Contrast, Sharpness, Black and White Mode, Gamma Curve
SNR	>50dB
Panoramic Lens	Fixed Lens
FOV	110.2°\101.8°\69.5° (D\H\W)
Iris	F2.0±5%
Focus	F=1.89mm

Interface	
Back Panel	HDMI, LAN (support POE), USB3.0, A-IN, RS232-IN, DC12V power supply, power switch
Video Output	HDMI, LAN, USB3.0
Video Compression Format	LAN: H.264, H.265 USB 3.0: MJPG, H264, YUY2, NV12
Audio Input	Dual channel 3.5mm linear input
Audio Output	LAN
Audio Compression Format	AAC, MP3, G.711A
LAN Port	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT, support remote upgrade, remote restart, remote reset



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Control	RS232-IN
Serial Port Communication Protocols	VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/38400/9600/4800/2400
USB communication Protocols	UVC (video communication protocol, UAC (audio communication protocol)
Power Supply	HEC3800 power socket (DC12V)
Power Adapter	Input: AC110V~AC220V ; Output: DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	<1A
Power Consumption	<12W

PTZ

Pan	-110°~+110°
Tilt	-30°~+30°
Pan Speed	0.1°/s~100°/s
Tilt Speed	0.1°/s~70°/s
Preset Speed	Pan: 78.8°/s, Tilt: 31.7°/s
Preset Quantity	Users can set up to 255 preset positions (10 remote controls)

Others

Storage Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension	220 (L) mm×144mm (W) ×159mm (D)
Weight(Approx.)	1.7kg
Environment	Indoors

Accessories

Standard Accessories	Power adapter, RS232 control cable, USB3.0 cable, remote control, user manual
Optional Accessory	Mount brackets



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AI Function	
Auto Framing	Built-in high-speed processor and face detection algorithm, it can automatically detect participants and provide optimal framing. The farthest framing distance can reach 6~7 meters
Speaker Tracking	Built-in 6 omnidirectional microphone arrays, intelligent sound source localization algorithm, can locate the speaker's position in real time. The maximum pick-up distance can reach 6~7 meters

Dimensions:

