



24 Evoness SRL

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EVO-4K30PTZ-12X-AT



Functions & Features

The **EVO-4K30PTZ-12X-AT** camera offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. It supports H.265/H.264 encoding, making the image smooth and clear even in low-bandwidth..

Key Features

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| <ul style="list-style-type: none">● 4K Ultra HD: 1/2.8 inch high quality 4K SONY CMOS sensor; 8.50 megapixel, resolution is up to 4K (3840x2160) at 30 FPS.● Optical Zoom
12X optical zoom with 70°viewing angle.● Advanced Auto Focus Technology
Advanced auto focus technology allows the camera to move fast, accurately, and stably.● Low Noise and High SNR
Low Noise CMOS effectively ensures high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.● Multiple video output interfaces
HDMI, SDI, LAN. Simultaneously output audio and video signal via HDMI, SDI and LAN. LAN interface supports POE, USB 3.0 supports dual code stream, SDI supports transmission up to 100m under 1080p60 format● AI Human Detection
Built-in high-speed processor and advanced image processing and analysis algorithms, users can choose real-time tracking and regional (zone) tracking according to the environment.● Super Quiet Pan / Tilt Movement
With high accuracy step driving motor, camera can pan / tilt extremely quiet and smooth. | <ul style="list-style-type: none">● Multiple Audio/Video Compression
It supports for YUY2, MJPEG, H.264, H.265, NV12 video coding formats. And the resolution of 3840X2160 at 30FPS is available under MJPEG, H.264, H.265 formats. Audio compression formats: AAC, MP3, G.711A.● Multiple Network Protocol
Supports ONVIF, GB/T28181, RTSP, RTMP, VISCAoverIP, RTMPS, SRT protocols; Supports RTMP push mode, easy to be connected to streaming server (Wowza, FMS); Supports RTP multicast mode.● Control Interface
Supports RS-232 cascade function which is convenient for installation. RS422 is compatible with RS485, RS232-IN, RS232-OUT.● Multiple Control Protocol
Supports VISCA, PELCO-D, PELCO-P protocols; Supports automatic identification of protocols.● USB 3.0 Support Dual Coding Stream
Supports main stream and sub-stream, and simultaneous output; support YUY2, MJPEG, H.264, NV12, H.265 video coding format.● Built-in Gravity Sensor
Supports PTZ auto-flip function and easy installation.● Wide Application
Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems. |
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Specifications Camera Lens Parameter

Parameter/Model	12X
Camera Lens	
Image Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixel	16:9, 8.51 megapixel
Video Signal	<p>HDMI :</p> <p>4Kp30, 4Kp25, 1080p60, 1080p50, 1080p30, 1080p25, 720p60, 720p50, 1080p59.94, 1080p29.97, 720p59.94</p> <p>SDI:</p> <p>1080p60, 1080p50, 1080p30, 1080p25, 720p60, 720p50, 1080p59.94, 1080p29.97, 720p59.94</p> <p>USB3.0:</p> <p>Main Stream : YUY2/NV12: 1920x1080@10/5fps;1280x720@25/20/15/10/5fps; 1024x576/800x600/800x448/640x360/480x270/320x180@30/25/20/15/10/5fps;</p> <p>MJPEG/H264: 3840x2160/2560x1440/1920x1080/1600x896/1280x720/1024x576/960x540/800x600/800x448/720x576/720x480/640x360/640x480/480x270/352x288/320x240@30/25/20/15/10/5fps;</p> <p>Sub Stream : YUY2/NV12: 1280x720/1024x576/800x600/800x448/640x360/640x480/480x270/320x180@30/25/20/15/10/5fps;</p> <p>MJPEG/H264: 1920x1080/1600x896/1280x720/1024x576/960x540/800x600/800x448/720x576/720x480/640x360/640x480/480x270/352x288/320x240@30/25/20/15/10/5fps;</p>
Optical Zoom	12X
Viewing Angle	H : 6.5° (N) ~70.9° (W)
Focal Length	3.9~46.8 mm ±5%
Iris	F1.6 ~ F2.8±5%



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Digital Zoom	15X
Minimum Illumination	0.5Lux(F1.8, AGC ON)
DNR	2D& 3D
White Balance	Auto/Manual/One-push/Specified Color Temperature
Focus	Auto/Manual/One-push
Exposure Mode	Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority
Iris Mode	F1.8 ~ F11, CLOSE
Shutter Speed	1/25~1/20000
BLC	On/off
Dynamic Range	Off, 1 ~ 8
Video Adjustment	Brightness, Chromaticity, Saturation, Contrast, Sharpness, Black And White Mode, Gamma Curve
SNR	>50dB

Interface Parameter

Interface Parameter	
Interfaces	HDMI, SDI, LAN(POE), USB3.0, Audio-IN, RS232-IN, RS232-OUT, RS422(Compatible with RS485), DC12V Power Supply, Dial Switch, Power Switch
Video Output	HDMI, SDI, LAN, USB3.0
Video Compression	LAN: H.264, H.265 USB 3.0: MJPG, H264, YUY2, NV12
Audio Input Interface	Double track 3.5mm linear input;
Audio Output Interface	HDMI, SDI, LAN, USB3.0
Audio Compression	AAC, MP3, G.711A
LAN Interface	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output.



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Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT, support remote upgrade, remote reboot, remote reset
Control Interface	RS232-IN, RS232-OUT, RS422 compatible with RS485
Serial Port	VISCA/Pelco-D/Pelco-P;
Communication Protocols	Support Baudrate: 115200/38400/9600/4800/2400
USB Communication	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	<1A
Consumption	<12W

PTZ Parameter

PTZ Parameter	
Pan Move	-170°~+170°
Tilt Move	-30°~+30° °
Pan Speed	0.1°/s~60°/s
Tilt Speed	0.1°/s~45°/s
Preset Speed	Pan: 60°/s, Tilt: 45°/s
Preset Quantity	Up to 255 preset (10 via remote control)

Other Parameter

Other Parameter	
Storage Temperature	-10°C~+70°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension	181 (L) mm×115mm (W) ×149mm (D)
Weight	1.2kg



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Accessory Parameter

Accessory	
Supplied Accessory	Power Adapter, RS232 Control Cable, USB3.0 Connection Cable, Remote Control, User Manual.
Optional Accessory	Mounting Bracket

AI Function Parameter

AI Function	
Presenter Tracking	Once there is a person being detected, the camera would automatically follow the movements, and zoom in/out to focus on the target. That is perfect for teaching recording, virtual meeting and any other streaming you want to deliver on your own. The longest tracking distance of up to 6 to 7 meters, can support the speaker to walk at 3 to 4 mph
Zone Tracking	After you preset different tracking zones, the camera will track and capture the target seamlessly between the presetting zones. Zone Tracking technology enables you to have a wide range of shooting angle with no dedicated operators required. 4 tracking areas can be set within $-170^{\circ} \sim +170^{\circ}$ horizontally and $-30^{\circ} \sim +90^{\circ}$ in vertical.

