

TENVEO EZ Series

Mini 4K AI-Tracking PTZ Cameras



4K

**Max 4K
Resolution**



**3x/10x
Optical Zoom**



**AI
Tracking**



**Wide
Angle**



**USB+
HDMI**

Tenveo proudly presents the EZ Series Mini 4K AI-Tracking PTZ Cameras. Despite their compact Mini size, these cameras pack the same powerful features found in full-size PTZs – true 4K at 30fps, Sony sensor, 3x/10x optical zoom, and intelligent AI auto framing with single-person tracking. Equipped with USB 3.0, HDMI, and quiet high-speed PTZ, the EZ Series delivers professional video for small to medium rooms – without taking up extra space. Choose the wide-angle EZ3H-4K (3x) or the versatile EZ10H-4K (10x) to match your framing needs.

True 4K Image Quality – Big Performance in a Mini Body

Powered by a high-sensitivity Sony sensor, the EZ Series delivers crisp 4K video at 30fps. Even in challenging lighting (as low as 0.1 lux), 2D/3D noise reduction ensures clean, natural images – all packed into a compact Mini form factor that matches full-size PTZ quality.



AI-Powered Smart Framing – No Operator Needed

Two intelligent modes: Auto framing keeps all participants perfectly composed; Single Person Tracking follows a moving speaker automatically. Say goodbye to manual PTZ control – perfect for huddle rooms, lecture halls, and streaming studios.



Whisper-Quiet & High-Speed PTZ with Preset Precision

Smooth pan/tilt movement (0.1°–100°/s pan, 0.1°–80°/s tilt) with 0.1° preset accuracy. Fast recall of up to 255 presets without distracting noise or abrupt jumps – ideal for professional productions that demand both speed and silence.



Plug-and-Play Simplicity with Flexible Connectivity

USB 3.0 (UVC 1.1) and HDMI outputs – no driver hassle on Windows/macOS. For advanced integrators, RS232 in/out, RS485, and VISCA/Pelco support enable daisy-chaining and remote control.



Choose Your Zoom – Wide or Close-Up

EZ3H-4K (3x) – 81.4° wide FOV: capture whiteboards or group discussions without stepping back.

EZ10H-4K (10x) – 56.6° FOV: zoom in for speaker close-ups, slides, or rear details – covers both overview and tight shots.



Model No.	EZ3H-4K	EZ10H-4K
Image Sensor	1/2.8" IMX415	
Effective Pixels	8.27 MP	
Video Signals	HDMI: 3840*2160P30/25; 1920*1080P30/29.97/25; 1280*720P30; MJPEG: 1920*1080P30/25; 1280*720P30/25; 800*600P30/25; 640*480P30/25; YUY2: 1280*720P30/25; 640*480P30/25;	
Lens & Aperture	F2~F3.7	F1.8~F2.6
Optical Zoom	3X	10X
Digital Zoom	/	/
Zoom Speed	1~8	1~8
Focal Length	3.3mm~9.7mm	5.23mm~52mm
Horizontal Angle	81.4°~31.3°	56.59°~7.03°
Vertical Angle	50.5°~18.2°	32.09°~4°
Diagonal Angle	92°~35.8°	64.51°~8.03°
AI Support	Supported	
AI Mode	Autoframing; Single Person Tracking	
Minimum Illumination	0.1lux	
Shutter	1/25s~1/10000s	
White balance	Auto / Manual / Indoor / Outdoor / VAR / One Push	
Backlight Compensation	Supported	
Digital Noise Reduction	2D, 3D	
SNR	≥50dB	
Exposure	Auto / Manual / Shutter Priority / Iris Priority / Brightness Priority	
Focus	Auto / Manual	
Video Encoding Format	MJPEG / YUY2	
Pan Rotation	350° (±175°)	
Tilt Rotation	180° (±90°)	
Auto Flip	Not Supported	
Image Freeze	Supported	
PoE	Not Supported	
Preset Positions	Remote: 10; Serial Port: 255	
Preset Accuracy	0.1°	
Preset Call-up Speed	Pan: 0.1°/s~100°/s; Tilt: 0.1°/s~80°/s	
Video Compression	MJPEG	
USB		
Support operating system	Windows / macOS	
Color Space compression	YUY2 / MJPEG	
Video Format	MJPEG: 1920*1080P30/25; 1280*720P30/25; 800*600P30/25; 640*480P30/25; YUY2: 1280*720P30/25; 640*480P30/25;	
USB Video Communication Protocol	UVC 1.1	
UVC PTZ Control	Supported	
I/O Interface		
HD Output	1x HDMI, 1x USB3.0	
Network interface	/	
USB Interface	1x USB3.0, Type-B Port	
Audio Interface	/	
Communication Interface	1× RS232 In: 8-pin mini-DIN, VISCA/Pelco-D/Pelco-P Protocol 1× RS232 Out: 8-pin mini-DIN, VISCA Protocol for Networking 1× RS485: 2-pin Terminal Block, VISCA/Pelco-D/Pelco-P Protocol	
Power Interface	DC12V Power Port	
Dimension(Beofore/After Package)	136.5*131*159.2mm/246.5*190.3*200mm	
Net/Gross Weight	0.93kg/1.85kg	

Hotline : 400-1080-686
 Tel : 0086-755-8526-1373
 Email : sales01@tenveo.com
 Address : 9th&13th Floor, Fukang Science & Technology Mansion,
 No.7, Fukang Community, Longhua Street, Shenzhen, China

