

Tenveo UHD MAX Series 4K UltraHD PTZ Cameras

AI Auto Tracking PTZ Cameras

12x/20x/30x Optical Zoom for Option



AI
Auto Tracking

4K
30FPS

NDI|HX2

SRT

POE

USB 3.0+HDMI
+IP+SDI



Tenveo UHD MAX AI Auto Tracking PTZ cameras automatically Pan, Tilt, and Zoom to follow the presenter as they move about the stage or platform. The set and forget programming eliminates the need for an operator and makes sure the auto-tracking is always ready to go. The Tenveo Auto Tracking PTZ cameras offer high-quality video with Max resolution of 4k at 30fps. And with SONY CMOS image sensors, you can count on great image quality even in low-light scenarios.

Smart Auto-Tracking

Tenveo UHD MAX Series uses the latest human detection AI algorithms to easily detect and capture human forms and moving objects in seconds. The AI Auto Tracking cameras work automatically, and lock onto a specific person, even while other people are in frame. Users can switch between on-stage presenters with the click of a button.



Various Optical Zoom Lens, 12x/20x/30x Optical Zoom

With 12x/20x/30x Optical Zoom for option, Tenveo UHD MAX Auto Tracking PTZ cameras provide unrivaled flexibility to adapt to any application scenarios by providing close-up shots with excellent detail.



Low Noise High Signal to Noise Ratio

Low noise CMOS ensures super high signal to noise ratio of video taken by Tenveo UHD MAX Auto Tracking PTZ cameras. With advanced 2D and 3D noise reduction technology, noise is reduced and image resolution is guaranteed.



Support 4K30FPS Shooting and Comprehensive Connectivity

UHD MAX Auto Tracking cameras are packed with an array of video connections including USB 3.0, HDMI, LAN and SDI. HDMI/ SDI standard interfaces support uncompressed video signal transmitting without any delay, while IP provides an easy one-cable to camera setup and operation, including direct local recording to USB flash drive without NVR. Max 4k at 30fps videos can be output through all ports. When tracking mode is disabled, the cameras can also be controlled via RS232, RS485, USB3.0, IP&POE&NDI HX2, and IR remote. The 3.5mm audio input supports AA audio coding which allows stereo sound to be embedded into video signals, while the 3.5mm audio output when connected to an external speaker allows you to play audio clips.



Built-in Gravity Sensor, The Image Flips Automatically



Up to 255 Preset Positions

Tenveo UHD MAX Series features smooth, quiet and precise positioning with up to 255 preset positions (10 preset positions by IR remote controller) that can save pan, tilt, and zoom settings. Positioning at the touch of a button can be performed at a range of speeds from very slow to very fast while retaining pin-point accuracy.

Model No.	UHD612A-4K		UHD620A-4K	UHD630A-4K
Sensor	1/2.8"			
Effective Pixels	8.29MP (2.07MP for full HD version)			
Video Signals	4KP30, 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25, 1080I60, 1080I59.94, 1080I50, 720P60, 720P59.94, 720P50			
Zoom	12x optical zoom	20x optical zoom	30x optical zoom	
Lens	f=4.2mm ~ 50.4mm	f=4.6mm ~ 92mm	f=4.6mm ~ 138mm	
Aperture	F1.8 ~ F2.8	F1.8 ~ F3.6	F1.8 ~ F3.6	
Horizontal Angle	70.2° ~ 6.52°	62.3° ~ 3.46°	62.3° ~ 2.31°	
Vertical Angle	42.6° ~ 3.76°	36.1° ~ 1.92°	36.1° ~ 1.29°	
Diagonal Angle	77.5° ~ 7.53°	69.5° ~ 3.86°	69.5° ~ 2.63°	
Digital Zoom	8X			
Video Output	USB 3.0, HDMI, RJ45, SDI			
Signal Standard	NTSC/PAL			
Control Interface	RS232, RS485, USB, NET			
Shutter	1/30s ~ 1/10000s			
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR			
Backlight Compensation	Support			
Digital Noise Reduction	2D&3D Digital Noise Reduction			
Baud Rate	2400/4800/9600/19200/38400			
Control Protocol	VISCA, Pelco-D, Pelco-P			
USB Protocol	UVC 1.1			
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)			
SNR	≥50dB			
Horizontal Rotation	350° (±175°) 0.1°/s ~ 100°/s			
Vertical Rotation	180° (±90°) 0.1°/s ~ 80°/s			
H & V Flip	Support			
Image Freeze	Support			
PoE	Support			
Number of Preset	255			
Preset Accuracy	0.1°			
	Generic Specification			
Power Supply	DC 12V/2A			
Power Consumption	12W			
Work Temperature	0°C ~ 40°C			
Work Humidity	20% ~ 80% RH			
Product Size	247.1*152*169.6mm/285*217*197mm(before / after packing)			
Product Weight	1.37kg/2.45kg (net / gross weight)			
	IPC Features		Input/Output Interface	
Video Encoding Format	H.264/H.265/MJPEG		HD Output	1xHDMI 1x3G-SDI: BNC type,
Video Stream	Main Stream, Sub Stream			800mVp-p, 75Ω, Along to SMPTE 424M standard
Main Stream Resolution	1920x1080, 1280x720, 1024x576 , 940x540, etc.		LAN	1xRJ45:10M/100M Ethernet Interface,PoE (802.3af)
Sub Stream Resolution	1280x720, 1024x576, 720x480, 720x408, etc.		Audio Interface	1-ch: 3.5mm Audio Interface, Line In
Video Bit Rate	32Kbps ~ 102400Kbps			1-ch: 3.5mm Audio Interface, Line Out
Bit Rate Type	Variable Rate, Fixed Rate		USB	1xUSB3.0: Type B female jack
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps		Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m,
Audio Compression	AAC			Protocol: VISCA/Pelco-D/Pelco-P
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps			1xRS232 Out: 8pin Min DIN, Max Distance:30m,
Network Protocol	NDI HX2,SRT,TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.			Protocol: VISCA network use only
				1xRS485: 2pin Phoenix Port, Max Distance:1200m,
				Protocol: VISCA/Pelco-D/Pelco-P
			Power Jack	JEITA type (DC IN 12V)

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