

Stapes MAX Series FHD PTZ Cameras

AI Auto Tracking PTZ Cameras

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



AI
Auto Tracking

1080P
60FPS

NDI[®] HX2

SRT

POE

USB 3.0+HDMI
+IP+SDI



Stapes 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 Stapes Auto Tracking PTZ cameras offer high-quality video with max resolution of 1080p at 60fps. And with SONY CMOS image sensors, you can count on great image quality even in low-light scenarios.

Smart Auto-Tracking

The auto-tracking technology uses the latest human detection AI algorithms to exhibit unparalleled tracking speed and accuracy. This monocular tracking method uses only one camera and one lens to easily detect and capture human forms and moving objects in seconds.



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

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



High Signal to Noise Ratio

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



Support 1080P60FPS Shooting and Comprehensive Connectivity

Packed with an array of video connections including USB 3.0, HDMI, LAN and SDI, Stapes AI Auto Tracking PTZ cameras boast unparalleled functionality with sophistication and style. The HDMI / SDI standard interfaces support uncompressed digital 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 1080p at 60 fps videos can be output through all the four video output ports. When tracking mode is disabled, the Auto Tracking cameras can also be controlled through RS232, RS485, USB3.0, IP&PoE&NDI |HX2, and IR remote. The 3.5mm audio input that supports AA audio coding with limited bandwidth 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.



Up to 255 Preset Positions

Stapes 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.	ST612A		ST620A	ST630A
Sensor	1/2.8"			
Effective Pixels	2.07MP			
Video Signals	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	0~95% 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		IPC Features		
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:	
Audio Compression	AAC		30m, Protocol: VISCA/Pelco-D/Pelco-P	
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps		1xRS232 Out: 8pin Min DIN, Max Distance:	
Network Protocol	NDI HX2,SRT,TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.		30m, 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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