

Stapes UHD Series



4K
60FPS

12X 
Optical Zoom


Wide View Angle

NDI[®] | HX2

PoE 

USB3.0 HDMI SDI RJ45


The high-grade camera ST612A-4K is a superior solution for capturing stunning visuals with its incredible UHD 4K@60fps capabilities. Equipped with 12X optical zoom lens, the camera allows you to capture every detail with unprecedented clarity and precision. The 4K60FPS PTZ camera boasts multiple interfaces, including HDMI, USB3.0, RJ45, and SDI, which is suitable for most scenarios. Furthermore, with its advanced NDIHX2 protocol, you can seamlessly stream high-quality content across multiple devices and networks. The ST612A-4K is the ideal choice for capturing top-quality images and provides various options to meet your needs.

Superior Image Quality

ST612A-4K employs Sony IMX415 1/2.8" CMOS Sensor, providing unparalleled Ultra HD 4K image quality with 60fps.



12X Optical Zoom with Wide Angle Lense

The 12x optical zoom lens with an expansive 80.56° wide angle provides a broad field of view and delivers high definition videos without distortion, even when you zoom in to its farthest.



Multiple Interfaces, Unparalleled Connectivity

Featured with HDMI, USB3.0, RJ45, SDI interfaces, this 4K60FPS PTZ camera makes it easier than ever to connect all your devices without hassle.



Support NDI®|HX2 Protocol

With NDI technology, accurate visual images can be transmitted, and real-time and interactive control, as well as flexible IP Live Streaming working mode are achievable.



No More Pesky Wires

The NDI camera supports Power Over Ethernet (PoE) technology, requiring only one cable for power, video streaming and control, which further simplifies installation.

Model No.	ST612A-4K	ST12A-4K	ST10A	ST20A	ST12A
Image Sensor	Sony IMX415 1/2.8" CMOS		Sony IMX327 1/2.8" CMOS		
Effective Pixels	8.29MP, 16:9		2.07MP		
Optical Zoom	12x zoom	12x zoom	10x zoom	20x zoom	12x zoom
Lens	f=3.42-40.02mm	f=4.1-49.2mm	f=4.32-40.9mm	f=5.5-110mm	f=4.1-49.2mm
Aperture	F1.88 ~ F3.77	F1.8-2.68	F1.76 ~ F3.0	F1.6-3.5	F1.8-2.68
Horizontal Angle	80.56°(W)-7.89°(T)	70.28°(W)-6.57°(T)	67.5°(W)-8.8°(T)	55.8°(W)-3.2°(T)	70.28°(W)-6.57°(T)
Vertical Angle	49.61°(W)-4.46°(T)	42.06°(W)-3.76°(T)	40.2°(W)-4.3°(T)	32.2°(W)-1.8°(T)	42.06°(W)-3.76°(T)
Diagonal Angle	89.51°(W)-9.04°(T)	78.36°(W)-7.5°(T)	75.4°(W)-8.8°(T)	61°(W)-3.64°(T)	78.36°(W)-7.5°(T)
Video Format	HDMI(4KP@60/50/30/25fps, 1080P@60/50/30/25fps, 720P@60/50/30/25fps); USB3.0(3840*2160P@30fps, 2560*1440P@30fps, 1920*1080P@30fps, 1280*720P@30fps, 640*480P@30fps, 320*240P@30fps; YUY2/NV12/H.264/H.265/MJPEG)	HDMI(4KP@30/25fps, 1080P@60/50/30/25fps, 720P@60/50/30/25fps); USB3.0(3840*2160P@30fps, 2560*1440P@30fps, 1920*1080P@30fps, 1280*720P@30fps, 640*480P@30fps, 320*240P@30fps; YUY2/NV12/H.264/H.265/MJPEG)	1080p@60/50/30/25fps, 720p@60/50/30/25fps		
Video Encoding Format	H.264, H.265, MJPG, YUY2				
Backlight Compensation	Support				
SNR	>50dB				
Focus	Auto / Manual				
Digital Noise Reduction	2D & 3D Noise Reduction				
Exposure	Auto / Manual				
PTZ Parameter					
Pan/Tilt Rotation	±175°, -90°~ +90°				
Pan Control Speed	0.1 -80°/sec				
Tilt Control Speed	0.1 -60°/sec				
Preset Number	User can set up to 255 presets (10 presets by IR remote)				
I / O Interface					
Video Interfaces	HDMI, USB3.0, RJ45, SDI				
Video Compression Format	H.264, H.265, MJPG, YUY2				
LAN	10M/100M/1000M adaptive Ethernet port; Support POE IEEE802.3at				
Network Protocol	NDI HX2, RTSP, RTMP, ONVIF, GB28181; Support VISCA Over IP				
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 9600/4800/38400/2400				
Control Interface	RS232, RS485, USB3.0 TYPE-B(UVC1.1), RJ45				
General Parameter					
Operation Systems	Windows 7, Windows 8.1, Windows 10, Windows 11; Android, Mac OS™ 10.10 or higher, Linux (Required to support UVC.)				
Input Voltage	DC 12V				
Input Current	2.0A (Max.)				
Power Consumption	13W (Max.)				
Store Temperature	-10℃~ +60℃				
Store Humidity	20% ~ 90%				
Working Temperature	-10℃~ +50℃				
Working Humidity	20% ~ 80%				
Dimension (W*H*D)	171.6*192.6*171.6mm/ 260*217*197mm (before/ after packing)				
N.W. / G.W.	1.35kg/ 2.05kg (Net/ Gross weight)				
Accessory	1 x Camera; 1 x USB Cable; 1 x Power Adapter; 1 x Wall Mount; 1 x Manual				
Mfg. Warranty	3 Years standard Parts & Labor warranty				

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