

UV430E

4K Ultra HD PTZ Camera

FEATURE:

- 4K UHD Resolution: SONY CMOS sensor. Resolution is up to 4K with frame rate up to 60fps.
- Dual Stream Output: USB support the main stream and sub stream output at the same time, and can meet the needs of near end and far end.
- Optical Zoom Lens: 12X optical zoom 80.4° wide angle lens, 25X optical zoom 59.2° wide angle lens, and 31X optical zoom 59° wide angle lens
- Interfaces: Support HDMI, SDI, USB 2.0, LAN, and output 4K audio and video at the same time.
- Leading Auto Focus Technology: Fast, accurate and stable auto focusing technology.
- Low Noise and High SNR: Super high SNR image is achieved with low noise CMOS. Advanced 2D/3D noise reduction technology further reduces the noise while ensuring high image clarity.
- Multiple Audio/Video Compression Standards: LAN interface supports H.264/H.265 video compression, USB 2.0 interface supports MJPG, H264, YUY2, NV12, H265;
- Audio Input Interface: 8000, 16000, 32000, 44100, 48000 sampling frequency.
- Multiple Network Protocol: Support ONVIF, GB/T28181, RTSP, RTMP protocols; Support RTMP push mode, easy to be connected to streaming server (Wowza, FMS); Support RTP multicast mode; Support network full command VISCA control protocol.
- Control Interface: RS422 input (compatible with RS485), RS232 input/output, RS232 (cascade connection)
- Multiple Control Protocol: Support VISCA, PELCO-D, PELCO-P protocols; Support automatic identification protocols.
- Multiple Presets: Up to 255 presets (10 presets via remote control).
- AI Human Detection: Built in high speed processor and advanced image processing and analysis algorithm, and real-time tracking and zone tracking modes are available.
- Multiple Application: Online-education, Lecture Capture, Webcasting, Video conferencing, Telemedicine, Unified Communication, Emergency command and control systems, etc.



UV430E

Ultra HD 4K camera equipped with two advanced lenses: a 12X optical zoom with an 80.4° wide-angle lens (UV430E0) and a 25X optical zoom with a 59.2° wide-angle lens (UV430E2X). Designed with advanced ISP processing technology and algorithms, this camera ensures vivid image quality and consistent picture brightness. With comprehensive functionality, exceptional performance, and versatile connectivity options, it is ideal for various professional applications.



Camera

4K Ultra HD PTZ Camera



UV430E 4K Ultra HD PTZ Camera

SPECIFICATIONS:

Camera Parameter

	UV430E0	UV430E2
Optical Zoom	12X	25X
Focal Length	UV430E0 f=3.85 mm~ 43.06 mm ±5%	UV430E2 f=7.1 mm~ 171.95 mm ±5%
Viewing Angle	UV430E0 H : 7.59° (N) ~ 80.4° (W) V : 4.6° (N) ~ 50.0° (W)	UV430E2 H : 2.5° (N) ~ 59.2° (W) V : 1.4° (N) ~ 34.6° (W)
Iris Value	UV430E0 F1.8 ~ F3.56±5%	UV430E2 F1.61 ~ F5.19±5%
Image Sensor	UV430E0 1/2.5 inch SONY CMOS sensor	UV430E2 1/1.8 inch SONY CMOS sensor
Effective Pixel	8.29M megapixel 16 : 9	
Video Signal	HDMI 3840*2160P60/50/25/59.94/29.97;1080P60/50/ 30/25/59.94/29.97;1080I60/50/59.94; 720P60/50/59.94 ;	
	SDI 1080P60/50/30/25/59.94/29.97;1080I60/50/59.94; 720P60/50/59.94	
	USB2.0	
	MJPEG : 3840*2160/1920*1080/1280*720 /1024*768	
	/1024*576/800*600/720*576/720*480/704*576/640*480 /640*360 /352*288/320*240P30;	
	H264 : 3840*2160/1920*1080/1280*720 /1024*768	
Minimum Illumination	/1024*576/800*600/720*576/720*480/704*576/640*480 /640*360 /352*288/320*240P30;	
	H265 : 1920*1080/1280*720 /1024*768 /1024*576/800*600/720*576/720*480/704*576/640*480	
	/640*360 /352*288/320*240P30;	
	YUY2 : 800*448 /720*480P25; 640*360 /432*240P30	
	NV12 : 800*448P25; 640*480 /640*360 /432*240P30	
	0.05Lux(F1.8, AGC ON)	
DNR	3D DNR	
White Balance	Auto / Manual/ One Push/ Specified Temperature	
Focus	Auto/Manual/One Push Focus	
Exposure Mode	Auto/Manual/Shutter priority/Aperture priority/brightness priority	
Aperture	F1.8 ~ F11, CLOSE	
Shutter Speed	1/25~ 1/10000	
BLC	ON/OFF	
WDR	OFF/ Dynamic level adjustment	
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma Curve	
SNR	≥50dB	

AI Function

Real-time Tracking Mode	The longest tracking distance can reach 6-7 meters, which can support the speaker to walk at a speed of 5-6 mph
Zone Tracking Mode	4 tracking zones are available, which can be set within -110°~+110°in horizontal and 30°~+30°(430E0) in vertical or 27°~+27°(430E2,430E3) in vertical .

Interface Parameter

Video Interfaces	HDMI, SDI, LAN(Support POE), USB2.0, A-IN, RS232-IN, RS232-OUT, RS422 (Compatible with RS 485) , Rotary DIP switch, DC12V Power Supply, Power Switch
Video Compression Format	LAN : H.264, H.265 USB 2.0 : MJPG, H264, H.265, YUY2, NV12
Audio Input	Double track 3.5mm linear input;
Audio Output	HDMI, LAN, USB2.0
Audio Compression Format	AAC
LAN Jack	10M/100M/1000M adaptive Ethernet port, support POE power supply, support audio and video output
Network Protocols	RTSP/RTMP, ONVIF, GBT28181 Support network VISCA control protocol; Support remote upgrade, remote restart, remote reset
Control Jacks	RS232-IN, RS232-OUT, RS422 compatible with RS485
Serial Port Communication Protocols	VISCA/Pelco-D/Pelco-P ; Support Baudrate: 115200/38400/9600/4800/2400
USB Communication Protocol	UVC (Video Communication Protocol) , UAC (Audio Communication Protocol)
Power Supply	HEC3800 Outlet (DC12V)
Power Adapter	AC110V~AC220V to DC12V/2.5A
Input Voltage	DC12V±10%
Input	<1A
Consumption	<12W

PTZ Parameter

Pan Move	-110°~ +110°
Tilt Move	-30°~+30° °
Pan Speed	0.1°/s~ 100°/s
Tilt Speed	0.1°/s~ 70°/s
Preset Speed	Pan: 78.8°/s, Tilt: 31.7°/s
Preset Quantity	Up to 255 preset (10 via remote control)

**UV430E** 4K Ultra HD PTZ Camera**SPECIFICATIONS:****Other Parameter**

Storage Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension	220(L)mm*144mm(W)*159mm(H)
Weight	1.7kg
Environment	Indoors

Accessory

Supplied Accessory	Power Supply, RS232 Control Cable, USB2.0 Cable(U3 model), IR Remote Control, User Manual, Warranty Card
Optional Accessory	Ceiling / Wall Mount (Extra Cost)