



# UV430E0\_E2\_E3



This is a brand new UHD 4K camera, including 3 lenses, 12X optical zoom 80.4° wide-angle lens (UV430E0), 25X optical zoom 59.2° wide-angle lens (UV430E2), and 31X optical zoom 59° wide-angle lens (UV430E3). It has complete functions, excellent performance, and rich interfaces. Boasting advanced ISP processing technology and algorithm, UV430 series cameras deliver the vivid image and uniform picture brightness.

## Key Features

- **4K UHD Resolution:** SONY CMOS sensor. Resolution is up to 4K with frame rate up to 60fps.
- **Dual Stream Output:** USB support the mainstream 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 autofocus 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.



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- **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, Tele-medicine, Unified Communication, Emergency command and control systems, etc.

## Technical Specification

Camera Parameter			
<b>Model</b>	UV430E0	UV430E2	UV430E3
<b>Optical Zoom</b>	12X	25X	31X
<b>Focal Length</b>	f=3.85 mm ~ 43.06 mm ±5%	f=7.1 mm ~ 171.95 mm ±5%	f=6.91 mm ~ 214.64 mm ±5%
<b>Viewing Angle</b>	Horizontal: 7.59° (N) ~ 80.4° (W)  Vertical: 4.6° (N) ~ 50.0° (W)	Horizontal: 2.5° (N) ~ 59.2° (W)  Vertical: 1.4° (N) ~ 34.6° (W)	Horizontal: 1.98° (N) ~ 59° (W)  Vertical: 1.12° (N) ~ 34.14° (W)
<b>Iris Value</b>	F1.8 ~ F3.56±5%	F1.61 ~ F5.19±5%	F1.35 ~ F4.6±5%
<b>Image Sensor</b>	1/2.5-inch SONY CMOS sensor	1/1.8-inch SONY CMOS sensor	
<b>Effective Pixels</b>	8.29M megapixel	16: 9	



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<b>Video Format</b>	<p><b>HDMI :</b></p> <p>3840*2160P60/50/25/59.94/29.97;1080P60/50/30/25/59.94/29.97;1080I60/50/59.94; 720P60/50/59.94.</p> <p><b>SDI :</b></p> <p>1080P60/50/30/25/59.94/29.97;1080I60/50/59.94. 720P60/50/59.94</p> <p><b>USB2.0:</b></p> <p>MJPG: 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.</p> <p>H264: 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;</p> <p>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.</p> <p>YUY2: 800*448 /720*480P25; 640*360 /432*240P30</p> <p>NV12: 800*448P25; 640*480 /640*360 /432*240P30</p>
<b>Minimum Illumination</b>	0.05Lux (F1.8, AGC ON)
<b>DNR</b>	3D DNR
<b>White Balance</b>	Auto / Manual/ One Push/ Specified Temperature
<b>Focus</b>	Auto/Manual/One Push Focus
<b>Exposure Mode</b>	Auto/Manual/Shutter priority/Aperture priority/brightness priority



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<b>Aperture</b>	F1.8 ~ F11, CLOSE
<b>Shutter Speed</b>	1/25~1/10000
<b>BLC</b>	ON/OFF
<b>WDR</b>	OFF/ Dynamic level adjustment
<b>Video Adjustment</b>	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma Curve
<b>SNR</b>	≥50dB
<b>AI Function</b>	
<b>Real-time Tracking Mode</b>	The longest tracking distance can reach 6-7 meters, which can support the speaker to walk at a speed of 1.3-1.7m/s.
<b>Zone Tracking Mode</b>	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.
<b>Interface Parameter</b>	
<b>Video Interfaces</b>	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
<b>Video Compression Format</b>	LAN: H.264, H.265 USB 2.0: MJPG, H264, H.265, YUY2, NV12
<b>Audio Input</b>	Double track 3.5mm linear input;
<b>Audio Output</b>	HDMI, LAN, USB2.0



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<b>Audio Compression Format</b>	AAC
<b>LAN Jack</b>	10M/100M/1000M adaptive Ethernet port, support POE powersupply, support audio and video output
<b>Network Protocols</b>	RTSP/RTMP, ONVIF, GBT28181 Support network VISCA controlprotocol; Support remote upgrade, remote restart, remote reset
<b>Control Jacks</b>	RS232-IN, RS232-OUT, RS422 compatible with RS485
<b>Serial Port Communication Protocols</b>	VISCA / Pelco-D / Pelco-P Support Baud rate: 115200/38400/9600/4800/2400
<b>USB Communication Protocol</b>	UVC ( Video Communication Protocol ) , UAC ( Audio Communication Protocol )
<b>Power Supply</b>	HEC3800 Outlet (DC12V)
<b>Power Adapter</b>	AC110V~AC220V to DC12V/2.5A
<b>Input Voltage</b>	DC12V±10%
<b>Input</b>	<1A
<b>Consumption</b>	<12W
<b>PTZ Parameter</b>	
<b>Pan Move</b>	-110°~+110°
<b>Tilt Move</b>	-30°~+30° °
<b>Pan Speed</b>	0.1°/s~100°/s



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<b>Tilt Speed</b>	0.1°/s~70°/s
<b>Preset Speed</b>	Pan: 78.8°/s, Tilt: 31.7°/s
<b>Preset Quantity</b>	Up to 255 preset (10 via remote control)
<b>Other Parameter</b>	
<b>Storage Temperature</b>	-10°C~+60°C
<b>Storage Humidity</b>	20%~95%
<b>Working Temperature</b>	-10°C~+50°C
<b>Working Humidity</b>	20%~80%
<b>Dimension</b>	220(L)mm*144mm(W)*159mm(H)
<b>Weight</b>	1.7kg
<b>Environment</b>	Indoors
<b>Accessory</b>	
<b>Supplied Accessory</b>	Power Supply, RS232 Control Cable, USB2.0 Cable(U3 model),IR Remote Control, User Manual, Warranty Card
<b>Optional Accessory</b>	Ceiling / Wall Mount (Extra Cost)



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## Dimension

