

4K Ultra HD Video Conference Camera - UV430A

The Ultra HD 4K PTZ Camera-UV430A offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition.



Key Features

- **4K Ultra HD Image:** Built with SONY high quality CMOS sensor, with resolution up to 4K@60fps.
- **Optical Zoom Lens**
12x optical zoom lens, with 80.4° FOV without distortion.
- **Leading Auto Focus Technology**
Fast, accurate and stable auto focus is achieved with leading auto focus algorithm.
- **Low Noise and High SNR**
Super high SNR image is achieved with low noise CMOS. The adoption of advanced 2D/3D noise reduction technology further reduces the noise while ensuring high image clarity.
- **Multiple video output interfaces**
With video 4k output from HDMI, USB3.0 and LAN at the same time.
- **Multiple Audio/Video Compression Standard**
Support H.264/H.265 video compression over LAN, support MJPG, H.264, YUY2 and NV12 over USB3.0 port, support AAC, MP3 and G.711A audio compression over A-in port.
- **Audio Input Interface**
Support 8000, 16000, 32000, 44100, 48000 sampling frequency and AAC, MP3, PCM audio coding.
- **Multiple Network Protocol**
Support ONVIF, GB/T28181, RTSP, RTMP protocols; support RTMP push mode, which can easily link with streaming media server (Wowza, FMS); support RTP multicast mode, support VISCA control protocol over Network.
- **Multiple Control port**
RS422 (work with RS485), RS232 IN/OUT
- **Multiple Control Protocols**
Support VISCA, PELCO P/D protocols
- **Multiple Presets**
Support up to 255 presets (10 presets by remote controller)
- **Wide Application**
Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems

Technical Specification:

Model Number	UV430A
Camera/ Lens Parameters	
Image Sensor	1/2.5 Inch SONY High Quality 4K CMOS Sensor
Effective pixels	8.51MP effective pixels, 16:9
Video Format	<p>HDMI video output format: 4KP@60fps, 4KP@50fps, 4KP@30fps, 4KP@25fps, 1080P@60fps, 1080P@50fps, 1080I@60fps, 1080I@50fps, 1080P@30fps, 1080P@25fps, 720P@60fps, 720P@50fps;</p> <p>USB3.0 video output format: YUY2/NV12: 1920×1080P30fps, 1280×720P30fps, 1024×576P30fps, 960×540P30fps, 800×448P30fps, 640×360P30fps, 640×480P30fps, 320×176P30fps MJPEG/H.264: 3840×2160P30fps, 1920×1080P30fps, 1280×720P30fps, 1024×576P30fps</p>

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	,960×540P30fps,800×448P30fps,640×360P30fps,640×480P30fps,320×176P30fps USB2.0 video output from USB3.0 YUY2/NV12: 640×360P30fps,640×480P30fps,320×176P30fps MJPEG/H.264: 3840×2160P30fps,1920×1080P30fps,1280×720P30fps,1024×576P30fps ,960×540P30fps,800×448P30fps,640×360P30fps,640×480P30fps,320×176P30fps
Optical Zoom	12X
View Angle	Horizontal: 7.59° (tele) ~80.4° (wide) Tilt:4.6° (tele) ~50.0° (wide)
Focus	f=3.85 mm~ 43.06 mm ±5%
Aperture	F1.8 ~ F3.56±5%
Minimum Illumination	0.05Lux(F1.8, AGC ON)
DNR	2D &3D DNR
White Balance	Auto /Manual/ One Push/ Specified color temperature
Focus	Auto /Manual/ One Push
Exposure mode	Auto /Manual / Shutter Priority / Iris Priority / Whiteness Priority
Iris	F1.8 ~ F11、CLOSE
Shutter Speed	1/25~1/10000
Dynamic range	OFF/ Dynamic level adjustment
BLC	ON/ OFF
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
DNR	≥50dB

Other Parameters	
Store Temperature	HDMI, LAN (PoE), USB3.0 interface (type B, compatible with USB2.0), RS485, RS232(in & out), RS422(work with RS485), Rotary dial switch, DC12V, power on
Storage Temperature	10°C ~ +60°C
Storage Humidity	20% ~ 90%
Video Compression Format	LAN: H.264, H.265
Working temperature	10°C ~ +50°C
Working Humidity	20% ~ 80%
Audio output interface	LAN: H.264, H.265 USB3.0: MJPG, H.264, YUY2, NV12
Audio Compression Format	AAC/MP3/ G.711A
Lan Interface	10m/100/1000M adaptive Ethernet port, support POE and audio/video output
Network Protocol	Support RTSP, RTMP, ONVIF, GB/T28181, Network VISCA Control Protocol. Support remote upgrade, reboot and reset
Control Interface	RS232(in & out), RS422(work with RS485)
Serial communication protocol	VISCA/Pelco-D/Pelco-P, support baud rate 115200/38400/9600/4800/2400
USB Communication Protocol	UVC (video),UAC (audio)
Power Interface	HEC3800 (DC12V)
Power Adaptor	Input: AC110V-AC220V Output: DC12V/1.5A
Input Voltage	DC12V±10%
Input Current	1.5A
Power Consumption	<12W

PTZ Parameters	
Pan Rotation	-110° ~ +110°
Tilt Rotation	-30° ~ +30°
Pan Control Speed	0.1- 100 %sec
Tilt Control Speed	0.1-70 %sec
Preset Speed	Pan: 100 %SEC, Tile: 70 %SEC
Preset Number	255 Points Preset (10 presets by remote controller)

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Dimension(L * W * H)	220mm×144mm×159mm
Weight	1.7kg
Usage	Indoor only

Accessory	
Package	Power supply,RS232 control cable, USB3.0 cable ,Remote controller, User manual
Optional Accessories	Ceiling / Wall Mount (Extra Cost)

Dimension: (unit: mm)

