

# Ultra HD 4K Video Conference Camera UV430



UV430A is a new UHD 4K camera with 12X optical zoom, 81 degree wide angle lens. It has perfect functions, excellent performance and abundant interfaces. Advanced ISP processing technology and algorithm make the image vivid and lifelike, uniform brightness, strong light and color hierarchy, high clarity and good color restoration.

## Key Features:

- **4K Ultra HD:** Using SONY high quality CMOS image sensor, the highest resolution support 4K@60fps, output frame rate up to 60 frames per second; Adopting brushless servo driving motor, with infinitely variable speed, ensures the following features:
  - Ultra quiet:** Almost no noise under extremely high speed rotation
  - Super high speed:** Pan/tilt speed control up to 300° /sec
  - Precise presets:** presets precision up to  $\pm 0.001^\circ$
  - Closed-loop control:** When Pan/Tilt is forced to move, it can be back to original position quickly.
- **4K Ultra HD Image:** 1/1.7 inch high quality 4K CMOS sensor, 12.4 megapixel ,with resolution up to 4K(3840x2160) and compatible with 1080P, 720P and other resolutions.
- **Optical Zoom Lens**  
12x optical zoom lens, with 81° 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 HIMI, USB3.0 and LAN, output video format up to 4k@30
- **Multiple Audio/Video Compression Standard**  
Support H.264/H.265 video compression, AAC, MP3 and G.711A audio compression and 3840x2160 resolution with frame rate up to 30fps.
- **Audio Input Interface**  
Support 8000,16000,32000,44100,48000 sampling frequency and AAC,MP3,PCM audio coding.
- **Built-in gravity sensor:** Built-in gravity sensor, supporting PTZ auto-flip function and easy installation.
- **Multiple Remote Controller**  
Users can choose IR remote controller or wireless remote controller according to the environmental conditions.2.4G wireless remote controller is not affected by the angle, distance or infrared interference. Far-end-control is also available.
- **Wide Application**  
Tele-education,Lecture Capture,Webcasting, Videoconferencing,Tele-training,Tele-medicine, Interrogation and Emergency command systems

**Technical Specification:**

<b>Model Number</b>	<b>UV430</b>
<b>Camera/ Lens Parameters</b>	
<b>Image Sensor</b>	1/2.5 Inch High Quality 4K CMOS Sensor, with 8.51MP
<b>Resolution</b>	3840×2160
<b>Video Format</b>	HDMI interfaces: 4Kp30, 4Kp25, 1080p30, 1080p25, 1080i60、1080i50、720p60、720p50 USB3.0 interface: video format up to 4Kp30; USB3.0 compatible with USB2.0 output LAN interface: video format up to 4Kp30
<b>Optical Zoom</b>	12X
<b>View Angle</b>	Horizontal: 8.0° (tele) ~ 82.6° (wide) Tilt:4.58° (tele) ~ 51.9° (wide)
<b>Focus</b>	f=3.85 mm ~ 43.06 mm ±5%
<b>Aperture</b>	F1.8 ~ F3.56±5%
<b>Digital Zoom</b>	10X
<b>Minimum Illumination</b>	0.05Lux (F1.8, AGC ON)
<b>DNR</b>	2D &3D DNR
<b>White Balance</b>	Auto / Manual/ One Push/ Specified color temperature
<b>Focus</b>	Auto / Manual/ One Push
<b>Iris</b>	Auto / Manual
<b>Electronic Shutter</b>	Auto/ Manual
<b>Dynamic range</b>	OFF/ Dynamic level adjustment
<b>Aperture parameter</b>	F1.8 ~ F11, CLOSE
<b>Shutter speed</b>	1/25 ~ 1/10000
<b>BLC</b>	ON/ OFF
<b>Video Adjustment</b>	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
<b>USB Features</b>	
<b>Supported Operating System</b>	Windows 7, Windows8, Windows10, Mac osx, Linux and so on
<b>Compression</b>	MJPEG/H264/YUY2
<b>USB Communication Protocols</b>	UVC
<b>Function of Interface</b>	
<b>Interfaces</b>	HDMI , LAN (POE), USB3.0 Interface (type A, compatible with USB2.0), RS232(in & out), RS422( RS485 available), Line-in, Rotary dial code, on-off switch
<b>Image Code Stream</b>	Dual Streaming
<b>Video Compression Format</b>	LAN: H.264, H.265 USB3.0: MGPG, H.264, YUY2, NV12
<b>Audio Input Interface</b>	A-IN, Double track 3.5mm linear Input
<b>Audio output interface</b>	HDMI, LAN, USB3.0
<b>Audio Compression Format</b>	AAC/ MP3/ G.711A
<b>Lan Interface</b>	10M/100M/1000M adaptive Ethernet port, support POE and audio/video output
<b>Network Protocol</b>	Support RTSP, RTMP, ONVIF, GB/T28181, VISCA Control Protocols. Support remote upgrade, reboot and reset
<b>Control Interface</b>	RS232(in & out), RS422( RS485 available)
<b>Power Interface</b>	HEC3800 (DC12V)
<b>Power Adaptor</b>	Input: AC110V-AC220V Output: DC12V/1.5A
<b>Input Voltage</b>	DC12V±10%
<b>Input Current</b>	<1A
<b>Power Consumption</b>	<12W
<b>PTZ Parameters</b>	
<b>Pan Rotation</b>	-170+170°
<b>Tilt Rotation</b>	-30°- +30°
<b>Pan Control Speed</b>	0.1- 100°/sec
<b>Tilt Control Speed</b>	0.1- 70°/sec
<b>Preset Speed</b>	Pan: 100°/SEC, Tile: 70°/SEC
<b>Preset precision</b>	±0.001°
<b>Preset Number</b>	255 Points Preset (10 presets by remote controller)

Other Parameters	
Store Temperature	-10℃~+60℃
Store Humidity	20%-95%
Working Temperature	-10℃-+50℃
Working Humidity	20%-80%
Dimension	220mm×144mm×159mm
Usage	Indoor only
Accessories	
Random Accessories	power supply, RS232 control cable, USB3.0 cable, remoter, manual, warranty card
Selected Accessories	Wall mount Bracket or Ceiling mount Bracket

**Dimension Pictures: (unit:mm)**

