

# Ultra HD 4K Video Conference Camera UV401

**Ultra HD, Wide viewing angle, Electronic pan/tilt, Multi-protocols**

UV401 Ultra HD 4K camera has perfect functions and superior performance, which adopts advanced ISP processing algorithms so as to provide vivid images with evenly clear brightness, strong color layering, high resolution, and fantastic color rendition.



## Key Features:

- **Brushless Motor**  
Built-in brushless DC motor with Variable Speed Technology, which make pan/tilt features extremely quiet PTZ, super speed, high accurate presets, closed-loop control etc.
- **4K Ultra HD Image**  
UV401 adopts 1/2.5, 1/1.7 inch, 12.40 megapixel high quality SONY CMOS sensor. Resolution is up to 4K with frame rate up to 60fps.
- **Multiple Optical Zoom Lens**  
12X optical zoom lens offer 82.6° / 80.4° wide angle without distortion.
- **Leading Auto Focus Technology**  
Leading auto focus algorithm makes lens auto focus more quickly, accurately and stably.
- **Low Noise and High SNR**  
Low Noise CMOS effectively ensure high SNR of camera video. The adoption of advanced 2D/3D noise reduction technology not only further reduces the noise, but also ensuring image sharpness.

- **Multiple Video Output Interfaces**  
Support HDMI, USB3.0, LAN. HDMI, LAN support audio output.
- **Multiple Audio/Video Compression Standard**  
Support H.264/H.265 video compression, AAC, MP3 and G.711A audio compression and 3840×2160 resolution with frame rate up to 60fps compression.
- **Audio Input Interface**  
Support 8000, 16000, 32000, 44100, 48000 sampling frequency and AAC, MP3, G.711A audio coding.
- **Built-in gravity sensor**  
Built-in gravity sensor, support the automatic flip function of the gimbal, convenient for engineering installation.
- **Multiple Network Protocols**  
Support ONVIF, GB/T28181, RTSP, RTMP protocols, RTMP push mode, which is easy to link streaming media serve (Wowza, FMS), RTP multicast mode and network full command VISCA control protocol.
- **Control interface**  
RS422(compatible with RS485), RS232; RS232 support cascade, easy to install and use.
- **Multiple Control Protocol**  
Support VISCA, PELCO-D, PELCO-P protocols and Automatic identification protocol.
- **Multiple Preset**  
Support 255 preset positions (the remote controller is set to 10 preset positions).
- **Multiple Remote Controller**  
Users can choose infrared remote controller or wireless remote controller according to the environmental conditions. 2.4G wireless remote controller is not affected by the angle, distance, infrared interference. Support remoter signal pass through function, which is convenient for back-end use.
- **Wide Application**  
Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.

Order No.

**UV401A ----- 12x optical zoom lens ( 80.4° )**

**Technical Specification:**

Camera/ Lens Parameters	
Model Number	UV401A
Optical Zoom	12X
Focus	f=3.85 mm ~ 43.06 mm ±5%
View Angle	Horizontal: 7.59°(D) -80.4° Vertical: 4.6° (D) - 50.0° (V)
AV	F1.8 ~ F3.56 ±5%

<b>Image Sensor</b>	1/2.5 High Quality 4K SONY CMOS Sensor
<b>Effective Pixels</b>	8.51M, 16:9
<b>Video Format</b>	<p><b>HDMI Video Output Format:</b>  4K@60fps/50fps/30s/25fps  1080P@60fps/50fps/30fps/25fps/29.97fps  1080I@60fps/50fps/59.94fps  720P@60fps/50fps/30fps/25fps/29.97fps</p> <p><b>USB3.0 Video Output Format:</b></p> <p>YUY2/NV12 support 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30</p> <p>MJPEG/H.264 support 3840×2160P30, 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 20×176P30</p> <p><b>USB3.0 compatible with USB2.0 Video Output Format:</b>  YUY2/NV12 support 640×360P30, 640×480P30, 320×176P30  MJPEG/H.264 support 3840×2160P30, 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30</p>
<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/3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K
<b>Focus</b>	Auto / Manual/One key focus
<b>Aperture</b>	F1.8 - F11,CLOSE
<b>Electronic Shutter</b>	Auto/Manual
<b>WDR</b>	OFF/ Dynamic level adjustment
<b>BLC</b>	ON/OFF
<b>Video Adjustment</b>	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
<b>SNR</b>	≥50dB
<b>USB Features</b>	
<b>Supported Operating System</b>	Windows 7, Windows8, Windows10, Mac osx, Linux etc.
<b>USB Audio</b>	Supported
<b>USB Communication Protocols</b>	UVC, UAC
<b>Input/Output Interface</b>	
<b>Video Output Interfaces</b>	HDMI,LAN(POE), USB3.0(Type B compatible USB2.0), RS232input, RS232output, RS422(compatible with RS485), A-in, Rotary dial, DC12V power, Power switch
<b>Image Code Stream</b>	Double stream output
<b>Video Compression</b>	LAN support H.264, H.265

<b>Format</b>	USB 3.0 support MJPG, H264, YUY2, NV12
<b>Audio Input</b>	A-IN, Double track 3.5mm linear Input
<b>Audio Output</b>	HDMI, LAN(POE), USB3.0
<b>Audio Compression Format</b>	AAC/ MP3/ G.711A
<b>Lan Interface</b>	10M/100M/1000M adaptive Ethernet Port, support POE power supply, support audio and video output
<b>Network Protocol</b>	Support RTSP, RTMP, ONVIF, GB/T28181, VISCA Control Protocols. Support Remote Update, Reboot and Reset
<b>Control Interface</b>	RS232(Input & Output), RS422(compatible with RS485)
<b>Power Interface</b>	HEC3800 outlet (DC12V)
<b>Power Adaptor</b>	Input: AC110V-AC220V Output: DC12V/2.5A
<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°~+90°
<b>Pan Control Speed</b>	0.1- 120°/Sec
<b>Tilt Control Speed</b>	0.1-80°/Sec
<b>Preset Speed</b>	Pan: 120°/s, Tile: 80°/Sec
<b>Preset Number</b>	255 presets (10 presets by remote controller)

<b>Other Parameters</b>	
<b>Store Temperature</b>	-10℃~+60℃
<b>Store Humidity</b>	20%-95%
<b>Working Temperature</b>	-10℃~+50℃
<b>Working Humidity</b>	20%-80%
<b>Dimension</b>	157.5mm×189mm×201mm
<b>Using environment</b>	Indoor only
<b>Accessory</b>	
<b>Random Accessory</b>	Power supply, RS232 control cable, USB3.0 connection cable, remoter, manual, warranty card
<b>Optional Accessories</b>	Mounting bracket

## Product interface



## Dimension(unit: mm)

