

## 4K Video Conferencing PTZ Camera VUAI4X701RS



4K USB PTZ camera, equipped with high quality 4K CMOS sensor, coupled with the reliable Pan/Tilt mechanical, achieve a smooth and precise rotation. Minimal and simple USB configuration, provide high quality A/V experiences and seamless communication for end users.



### Features

- 4K UHD**  
Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.
- 12x Optical Zoom + 71° Wide-angle Lens**  
4K optical lens, support max 12X optical zoom (24X lossless in 1080P) and 71° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.
- Remote Control**  
Support multiple ways of control, like RS232, RS485, Network and USB.
- OLED Display**  
HDMI and SDI (SDI cannot display 4K) output resolution, IP address and other information

- Full Function USB Interface**  
Full-function USB interface, compatible with USB3.0, USB2.0, supports UVC 1.1~1.5 protocols, supports video original images and encoding image output.
- Low Illumination**  
The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.
- Multiple Interfaces**  
Supports USB, HDMI, network, streaming simultaneously.
- PoE**  
The cable network supports POE power supply, control, power supply, video, audio only requires one network cable.

### Camera Spec

Signal	System	HDMI	:	4K30fps, 4K25, 1080P30, 1080P25
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels			
Scanning Mode	Progressive			
Lens	12x, f=4.4mm~52.8mm, F1.8~F2.6			
Digital Zoom	16x			
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)			
Shutter	1/30s ~ 1/10000s			
White Balance	Auto, Indoor, Outdoor, One Push, Manual			
Backlight Compensation	Support			
Digital Noise Reduction	2D&3D Digital Noise Reduction			
SNR	≥55dB			
Horizontal FOV	71° ~ 8.2°			
Vertical FOV	42.7° ~ 4.5°			
Pan Angle	±170°			
Tilt Angle	-30° ~ +30°			
Pan Speed	2.7° ~ 35.7°/s			
Tilt Speed	2.7° ~ 31.5°/s			
Image Flip	Support			
Image Freeze	Support			
PoE Support				
Preset Position	255			
Preset Accuracy	0.1°			

### Network Spec

Video Compression	H.264 / H.265 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	1920x1080, 1280x720, 1024x576, 720x576 etc.
Video Bit Rate	32Kbps ~ 102400Kbps
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

### USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max.1080P30 MJPEG: Max.2160P30 H.264 AVC: Max.2160P30 H.264 SVC: Max.2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

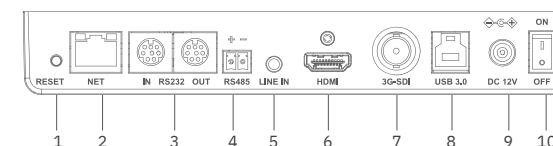
### I/O

HD Output	1 x HDMI: Version 1.4b; 1 x SDI, 1080P high-definition output, note: HDMI interface is not available for 4K output
USB Interface	1 x USB 3.0, TypeB
Network Interface	1 x RJ45: 10M/100M adaptive Ethernet, Support PoE
Audio Interface	1 x Line In/Mic In, 3.5mm Jack
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA type (DC IN 12V)

### Generic Spec

Input Voltage	DC 12V / PoE(802.3 af) Input
Current	1.0A
Operating Temperature	-0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W
Dimension	238mm (W) x 167.2mm (D) x 149mm (H)
Net Weight	1.4kg

### Interface Diagram



- 1 — RESET
- 2 — NET
- 3 — RS232
- 4 — IN/OUT
- 5 — RS485 LINE IN
- 6 — HDMI
- 7 — 3G-SDI
- 8 — USB 3.0
- 9 — DC 12V
- 10 — ON/OFF