

# 4K Video Conferencing PTZ Camera



Designed for corporate negotiations, remote learning, telemedicine, and more, the cameras feature a 4K UHD CMOS image sensor and a 12-20x ultra-long zoom lens, capturing clear images regardless of the distance. Equipped with a full-function USB interface, they can connect to laptops, conference hosts, and other devices, facilitating remote communication setup quickly.



## Features

### 4K UHD

Utilizes a 1/2.5-inch, high-quality UHD CMOS sensor with a maximum of 8.51 million pixels.

Capable of delivering superior 4K (3840x2160) resolution images. Also compatible with various resolutions, including 1080P and 720P.

### High-Quality Optical Zoom + Wide-angle Lens

Features an exclusive, custom-built, 8 million ultra-high-resolution lens with a 71° HFoV and 12x optical zoom.

### Remote Control

Various control methods are available, utilizing RS232 (RS485 optional) serial ports, network, and USB to manage camera settings.

### PoE

Enables power supply, control, and audio-video signal transmission to the camera through a PoE Ethernet cable.

### Support H.264 Encoding

Supports H.264 streaming with Slice and SVC encoding modes, catering to high-end USB conference video applications.

### Dual Streaming

Simultaneously supports two streams output (YUY2, MJPEG, H.264 in any two modes), alleviating the decoding pressure on the host system.

### Low Light Performance

The camera ensures clear images in low-light situations by using a CMOS image sensor of 55dB SNR and a 2D & 3D noise reduction to reduce image noise in low-light conditions.

### Multiple Interfaces

Supports simultaneous output of three 4K ultra-clear video streams through USB3.0, HDMI<sup>1</sup>, and network interfaces.

Note:  
1.This feature is optional.

## Product Specification

### Difference

	VX71UVS
Sensor	1/2.5 inches, CMOS, Effective Pixels:8.51 Megapixels
Lens	12x, f4.4mm~52.8mm, F1.8-F2.6
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5°
Video Format	YUY2: Max. 1080P30; MJPEG: Max. 2160P30; H.264 AVC: Max. 2160P30; Support H.264 SVC: Max. 2160P30
Dimension	144mm (W) x 144mm (D) x 173.4mm (H)

### Camera Spec

Signal System	4KP30, 4KP25, 1080P30, 1080P25
Scanning Mode	Progressive
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥ 55dB
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 35.7° /s
Tilt Speed	2.7° ~ 31.5° /s
Image Flip	Support
Preset Position	255
Preset Accuracy	0.1°

### Network Spec

Video Compression	H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160,1920x1080,1280x720 etc.
Second Stream Resolution	1920x1080,1280x720,1024x576 etc.
Video Bit Rate	32kbps-20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	NDI® HX2,TCP/IP,HTTP,RTSP,RTMP(s),Onvif,DHCP, SRT,GB/T 28181,Multicast,etc.

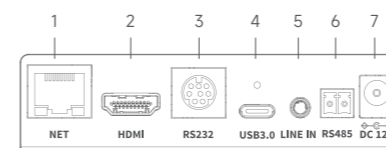
### USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / MJPEG / H.264
USB Video	Support
USB Video Communication Protocol	UVC 1.1-1.5
UVC PTZ Control	Support

### Generic Spec

Input Voltage	DC 12V / PoE (802.3af)
Input Current	12V 1.0A (Max.)
Operating Temperature	-10° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	12W (Max.)
Net Weight	1.41kg

## Interface Diagram



- 1 — NET
- 2 — HDMI
- 3 — RS232
- 4 — USB3.0
- 5 — LINE IN
- 6 — RS485
- 7 — DC 12V