VX71UVS

4K Video Conferencing PTZ Camera

4K / 12x Optical Zoom

▲▼ Product Features

● **4K UHD**
High-quality 1/2.5-inch UHD CMOS sensor with 8.42 million effective pixels for ultra-high resolution high-quality images up to 4K (3840x2160) and downward compatible with 1080P, 720P and other resolutions.

● **Full Function USB Interface**
Full function USB interface, compatible with USB 3.0 and USB 2.0, support UVC v1.1 and UAC 1.0 protocol, support video raw image and encoding output.

● **Low Illumination**
The application of 2D and 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keep the picture clean and clear, and the SNR of image is as high as 55dB.

● **HDMI 1.4b** [1]
Support HDMI [1] and can output uncompressed 4K original video.

● **PoE Support**
The wired network supports PoE power supply, the control, power supply, video and audio can be completed with a network cable.

● **Multiple & Complete Interfaces**
Support 1080P video output via HDMI [1], USB 3.0 and network interface simultaneously.

● **71° Wide-angle Lens + 12x Optical Zoom**
The exclusively customized 71 ° high-quality 4K ultra-wide-angle lens with a real ultra-high resolution of 8 megapixels, support 12x optical zoom.

● **Remote Control**
The camera can be controlled remotely through the RS232, (RS485 [1]), network and USB port.

● **H.264 Slice**
The H.264 standard supports Slice and is suitable for USB video conferencing.

● **Dual Stream (Optional)**
Simultaneously support two stream output (YUY2, MJPEG, H.264 each of both) to reduce the host codec pressure.

● **Three Power Supply Modes**
Simultaneously support USB 5V, DC 12V power adaptor and PoE power supply.

Remark:
1. This function is optional.

▲▼ Product Specifications

▮ Camera

Signal System	4K/30, 4K/29.97, 4K/25, 1080p/30,1080p/29.29,1080p/25
Sensor	1/2.5 inches, CMOS, Effective Pixel: 8.42M
Scanning Mode	Progressive
Focal length	12x, f=4.4mm ~ 52.8mm, F1.8 ~ F2.6
Minimum Illumination	0.5 Lux @ (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
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 35.7° /s
Tilt Speed	2.7° ~ 31.5° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

▮ Interfaces

USB Interface	1 x USB 3.0, Type-C
HDMI Output	1 x HDMI 1.4b [1]
Network Interface	1 x RJ45: 10M / 100M adaptive Ethernet
Audio Interface	1 x Line In, 3.5mm Jack
Control Interface	1 x RS232 In: 8pin Min DIN, Max. Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P 1 x RS485 In(Optional): 2pin phoenix port, Max. Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
Power Interface	JEITA (DC IN 12V) / USB Type-B (USB 5V) / PoE

▮ Network Features

Video Compression	H.265 / 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 ~ 6144Kbps
Bit Rate Control	VBR, CBR
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 Features

Operating System Supported	Windows 7, Windows 8, Windows 10, Windows 11,Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264 / H.265
Video Format	YUY2(ISOC Mode): Max.1440p/30; MJPEG: Max.2160p/30; H.264 AVC: Max.2160p/30; H.264 SVC: Max.2160p/30; H.265 AVC: Max.2160p/30
UVC Audio	Support
USB Video Communication Protocol	UVC 1.1-1.5
UVC PTZ Control	Support

▮ General Specifications

Input Voltage	DC 12V / USB 5V / PoE(802.3af)
Input Current	12V 1.0A(Max.)/5V 1.5A(Max.)
Operating Temperature	-10° C ~ 40° C
Storage Temperature	-40° C ~ 60℃
Power Consumption	12W (Max.)
Dimension	144mm x144mm x 166.4mm
Net Weight	1.41Kg