

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 1.4b¹

Support HDMI¹ 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 HDMI¹, 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, (RS485¹), 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 (I/SOC 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° C
Power Consumption	12W (Max.)
Dimension	144mm x 144mm x 166.4mm
Net Weight	1.41Kg