

CAM70 4K Video Conferencing PTZ Camera

4K USB PTZ Camera, multiple interfaces, support USB3.0, PoE, plug and play, budget friendly solution for medium-size and large conference room.



Features

- 4K UHD**  
Use a high -quality 1/1.8inches UHD CMOS sensor with 8.42 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.
- Optical Zoom + Wide -angle Lens**  
4K optical lens, support max 20 × optical zoom and 60° horizontal field of view, Support the night vision mode, infrared filter can be switched automatically.
- Remote Control**  
Support multiple ways of control, like RS232, RS485 (Optional), Network and USB.
- Multiple Interfaces**  
Support HDMI<sup>1</sup>, USB3.0, and network interfaces to output 4K videos at the same time.

Remark:  
1. This function is optional.

- PoE**  
The cable network supports POE power supply, control, power supply, video, audio only requires one network cable.
- H.264**  
The output H.264 stream supports Slice and SVC encoding mode to adapt to high -end USB conference video applications.
- Dual-streaming**  
Support dual-streaming simultaneously (YUY2, MJPEG and H.264).
- 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.

Product Specification

Details

Sensor	1/2.5 inches, CMOS, Effective Pixels:8.51 Megapixels
Lens	12x, f4.4mm~52.8mm, F1.8~F2.6
Horizontal FOV	80.8° ~ 7.5°
Vertical FOV	49.9° ~ 4.3°
Video Format	YUY2: Max. 1080P30; MJPEG: Max. 2160P30; H.264 AVC: Max. 2160P30; Only VX71UVS Support H.264 SVC: Max. 2160P30
Dimension	144mm (W) x 144mm (D) x 167.9mm (H)



4K UHD



Dual Stream



PoE



UVC



Multiple Interfaces

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	TCP/IP, HTTP, RTSP, RTMP/RTMPS, 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

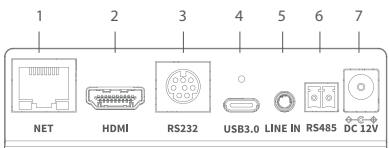
Generic Spec

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

I/O

USB Interfaces	1 x USB 3.0: Type-C
HD Output	1 x HDMI 1.4b <sup>1</sup>
Network Interface	1 x RJ45: 10M / 100M /1000M adaptive Ethernet;
Audio Interface	1 x LINE In: 3.5mm Jack
Control Interface	1 x RS485 IN(Optional): 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
Power Interface	JEITA type (DC IN 12V)

Interface Diagram



- 1 — NET

2 — HDMI

3 — RS232

4 — USB3.0
- 5 — LINE IN

6 — RS485

7 — DC 12V