IQMEET

4K PTZ Camera with 12X Optical Zoom

IQConference Cam CV810 GEN2

The secret of unprecedented video conferencing experience

4K UHD 30fps

12x Optical Zoom
16x Digital Zoom

Super slient PTZ

Versatile output

Support RTSP/
RTMP streaming

Up to 255 presets

Built-in gravity

Low noise high SNR

Features

01.

12X optical zoom lens with auto focus

12X optical zoom presents extraordinary 4K image. Leading algorithm enables the camera auto focus fast and accurately. Whether you are moving, zooming in or capturing close-up view, it still shows ultra high definition of the recorded images.

Unparalleled 4K UHD image

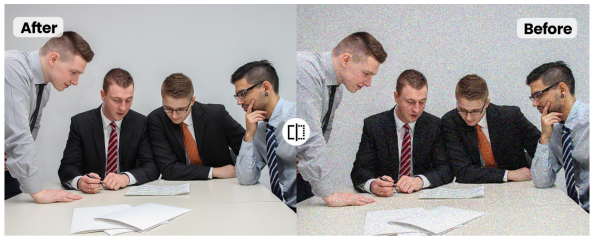
Adopt high-quality SONY CMOS image sensor, ensures 4K UHD highest resolution with 8.29 megapixel at up to 30 fps. Enjoy clear and realistic ultra-high-definition video experience. Immerse in people's vivid expressions and actions that CV810 brings to you.

Super silent PTZ camera

High-precision stepping motors ensure smooth operation of the camera, and make no noise when camera is moving. You don't have to worry about the shaking and blurring of the image caused by camera instability any more.

Low Noise and high SNR

Low noise CMOS ensures super high SNR image. Pioneering 2D/3D noise reduction technology reduces the grainy in the image produced by the noise, which ensures the smoothness and crystal-clear clarity of the image.

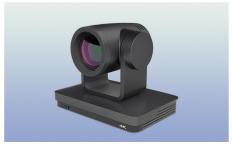


Features

02.

Built-in gravity sensor for auto reverse

Built-in gravity sensor supports auto rotation on PTZ , which means it can automatically adjust the image orientation when you install the camera upside down. No need to manually set and adjust. Everything is ready for you.

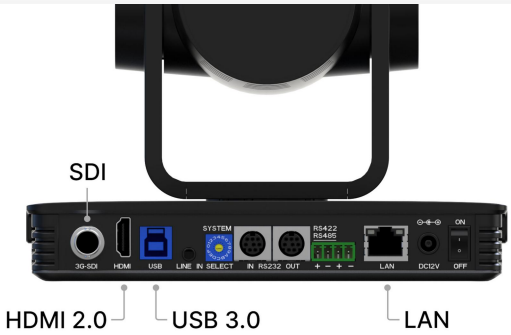


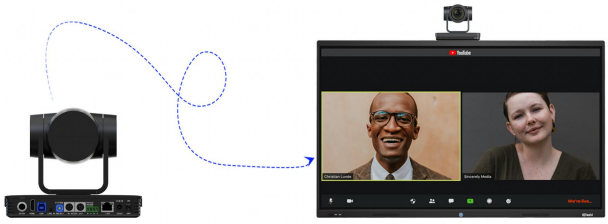
Preset anywhere you want

CV810 supports up to 255 preset position and 10 presets for remote control by handy compact remote, preset the shooting angle and position so that camera can quickly capture certain target. Choose the angle that's right for you and get pleasant video conference instantly.

Versatile ports with plug-and-play simplicity

Provide versatile ports including HDMI2.0, USB3.0, SDI and LAN for audio and video output. Meet your need for any type of connectivity. The plug-and-play connection allows you to set up easily. Just start your video meeting anytime.





IP based management and streaming

LAN port connectivity on CV810 allows it to have web-based control and RTSP/RTMP stream, easily connect live video content to any online broadcasting platform including YouTube.

Product Details

03.

Specifications 04.

Model	CV810
Version	Gen2
Optical Zoom	12X
Digital Zoom	16X
FOV	Horizontal: 8°(tele) ~ 80°(wide) Vertical: 3.5˚(tele) ~ 42˚(wide)
Aperture	F1.8 ~ F3.3±5%
Image Sensor	1/2.8 Inch SONY CMOS Sensor
Effective pixels	8.29M; 16:9
Video Format	HDMI: 4KP30, 4KP25, 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50, 1080P59.94, 1080P29.97, 720P59.94 SDI: 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50, 1080P59.94, 1080P29.97, 720P59.94 USB3.0: Main Stream:YUY2/NV12: 1920×1080@10/5fps; 1280×720@25/20/15/10/5fps; 1024×576/800×600/800×448/640×360/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 3840*2160/2560×1440/1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps; Sub Stream: YUY2/NV12: 1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps;
Minimum Illumination	0.5Lux (F1.8, AGC ON)
DNR	2D & 3D DNR
White Balance	Auto/Manual/One Push/specified Color Temperature
Focus	Auto/Manual/One Push
Exposure mode	Auto/Manual/ Shutter Priority/Aperture Priority/Brightness priority
Aperture	F1.8 - F11, CLOSE
Shutter speed	1/25 - 1/20000
BLC	OFF/ON
Dynamic range	OFF/Dynamic Level Adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	≥50dB

Specifications 05.

Interface Features	
Interfaces	HDMI, SDI, LAN(PoE), USB3.0(Type B, compatible with USB2.0), Line-IN, RS232-in & out, RS422(Compatible with RS485), Dial switch, DC12V, Power Switch
Video Compression	LAN: H.264, H.265 USB 3.0: MJPG, H264, YUY2, NV12
Audio-in Interface	Double track 3.5mm linear Input
Audio out	HDMI, SDI, LAN, USB3.0
Audio Compression	AAC, MP3, G.711A
LAN	10M/100M adaptive Ethernet port, support PoE and audio/video output
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, RTMPS, SRT, support remote upgrade, remote reboot, remote reset
Control Interface	RS232-IN, RS232-OUT, RS422 (RS485)
Serial Protocol	VISCA/Pelco-D/ Pelco-P; Baud rate: 115200/38400/9600/4800/2400
USB Communication Protocol	UVC(video), UAC(audio)
Power Interface	HEC3800 (DC12V)
Power Adapter	In: AC110V-AC220V; Out: DC12V/2.5A
Input Voltage	DC 12V±10%
Input Current	<1A
Power Consumption	<12W

PTZ Parameters	
Pan Rotation	-170° ~ +170°
Tilt Rotation	-30° ~ +90°
Pan Control Speed	0.1°/s ~ 60°/s
Tilt Control Speed	0.1°/s ~ 45°/s
Preset Speed	Pan: 60°/s, Tilt: 45°/s
Preset Number	255 Presets (10 presets by remote control)

Specifications

Other Parameters	
Storage Temperature	-10℃ ~ +60℃
Storage Humidity	20% ~ 95%
Working Temperature	-10℃ ~ +50℃
Working Humidity	20% ~ 80%
Dimension	181mm(L)× 115mm(W)× 149mm(H)
Weight	1.15kg
Usage	Indoor only

Accessories	
Standard	Power supply and adapter, RS232 Cable, USB3.0 Cable, IR remote control, User Manual, Wall Mount
Optional	Ceiling Mount

*Specifications are subject to change without notice. *All dimensions±1cm.

For better interaction, we suggest you using IQMeet Camera CV810 together with:

Hardware

IQTouch

IQSpeakerphone

Software

ZOOM

Skype

GotoMeeting

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