

# IQConference Cam CV810



## 4K PTZ Camera with 12X Optical Zoom

The secret of unprecedented video conferencing experience



4K UHD 60fps



12X Optical Zoom



Super silent PTZ



Versatile output



Support RTSP/  
RTMP streaming



Up to 255 presets

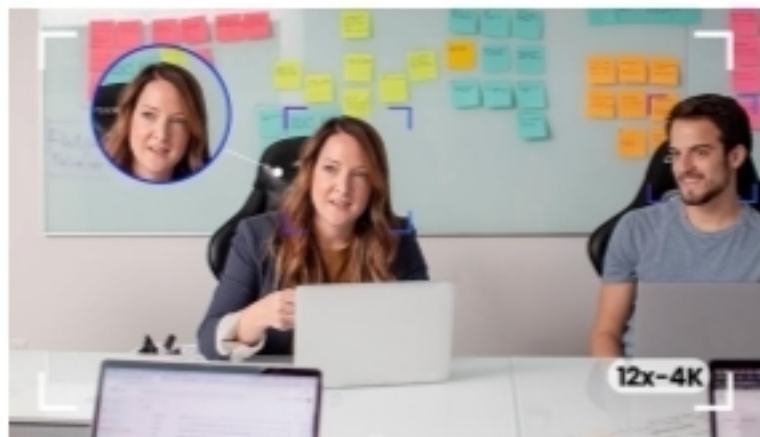


Built-in gravity sensor



Low noise high SNR





## 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 8.5 megapixel at up to 60 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.

## 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 HDMI 2.0, USB 3.0 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.





Model	CV810
Optical Zoom	12X
FOV	Horizontal: 6.55° (tele) ~ 69.4° (wide) vertical: 3.66° (tele) ~ 42.8° (wide)
Aperture	F1.6 - F2.8±5%
Image Sensor	1/2.8 Inch SONY CMOS Sensor
Effective pixels	8.51M; 16:9
Video Format	<b>HDMI Video Output Format:</b> 4KP60, 4KP50, 4KP30, 4KP25, 1080P60, 1080P50, 1080i 60, 1080i 50, 1080P30, 1080P25, 720P60, 720P50 <b>USB3.0 Video Output Format:</b> YUY2/NV12: 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30 MJPEG/H.264: 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30 <b>USB3.0 downward compatible USB2.0:</b> YUY2/NV12: 640×360P30, 640×480P30, 320×176P30 MJPEG/H.264: 3840×2160P30, 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30
Minimum Illumination	0.05Lux (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 - 1/10000
BLC	OFF/ON
Dynamic range	OFF/ Dynamic Level Adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	≥50dB

## Interface Features

<b>Interfaces</b>	HDMI, LAN(POE), USB3.0 (Type B, compatible with USB2.0) , A-IN, RS232-in & out; RS422 (Compatible with RS485) , Dial switch, DC12V, Power Switch
<b>Video Compression</b>	LAN: H.264, H.265 USB 3.0: MJPG, H264, YUY2, NV12
<b>Audio-in Interface</b>	Double track 3.5mm linear Input
<b>Audio out</b>	HDMI, LAN, USB3.0
<b>Audio Compression</b>	AAC, MP3, G.711A
<b>LAN</b>	10M/100M/1000M adaptive Ethernet port, support POE and audio/video output
<b>Network Protocol</b>	RTSP, RTMP, ONVIF, GB/T28181, VISCA Control Protocols, Remote Upgrade, reboot and reset
<b>Control Interface</b>	RS232-IN, RS232-OUT, RS422 (RS485)
<b>Serial Protocol</b>	VISCA/ Pelco-D / Pelco-P; Baud rate: 115200/38400/9600/4800/2400
<b>USB Communication Protocol</b>	UVC (video) , UAC (audio)
<b>Power Interface</b>	HEC3800 (DC12V)
<b>Power Adapter</b>	In: AC110V-AC220V ; Out: DC12V/2.5A
<b>Input Voltage</b>	DC12V±10%
<b>Input Current</b>	<1A
<b>Power Consumption</b>	<12W

## PTZ Parameters

<b>Pan Rotation</b>	-170°~+170°
<b>Tilt Rotation</b>	-30°~+90°
<b>Pan Control Speed</b>	0.1°/s~120°/s
<b>Tilt Control Speed</b>	0.1°/s~80°/s
<b>Preset Speed</b>	Pan: 120°/s, Tilt: 80°/s
<b>Preset Number</b>	255 Presets (10 presets by remote control)

## Other Parameters

Storage Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension	181 (L) mm × 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
Optional	Wall / Ceiling Mount

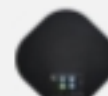
\*Specifications are subject to change without notice. \*All dimensions  $\pm 1$ cm.

**For better interaction, we suggest you using IQConference Cam CV810 together with:**

### HARDWARE



IQTouch T1000 Series



IQSpeakerphone S500

### SOFTWARE



ZOOM



Skype



GotoMeeting

[www.IQBoard.net](http://www.IQBoard.net)

**IQ Authorized Dealer**



## FUTURE CLASS, IQ CLASS

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