

4K UHD PTZ Video Conference Camera

RC90



USB3.0

4k

12x optical zoom

▼ **4K UHD**

Using 1/ 2.5 inch, 8.51 million pixel high-quality UHD CMOS sensor. It can provide 4K(3840x2160) ultra high definition, and downwards compatibility with 1080p, 720p resolution, etc.

▼ **71° wide-angle lens + 12X optical zoom**

Customized high quality real 8 million ultra high resolution 4K lens, 12x optical zoom, maximum 71° viewing angle.

▼ **HDMI 1.4b**

Support HDMI 1.4b and output uncompressed 4K original video

▼ **Low power consumption**

Support low-power sleep / wake up function, power consumption is less than 400mW in sleep status.

▼ **Gravity sensor**

It supports the automatic image flipping function, which is convenient for installation and use.

▼ **Multiple interfaces**

Support HDMI 1.4b HD output, and with 3G-SDI interface, transmission distance up to 150 meters(1080p30).HDMI and LAN, or 3G-SDI and LAN interface can output HD video at the same time.

▼ **Low-Light**

High quality CMOS sensor and 2D/3D noise reduction can reduce image noise. The image is still clear and sharp even in low light environment, and the SNR is high more than 55dB.

▼ **Built-in OLED display**

Support display HDMI and SDI output resolution, frame rate and IP address and other information.

▼ **Remote control**

Multiple control modes, RS232, RS485, network and USB can be used to control the camera.



SPECIFICATIONS

▼ CAMERA

Video System	HDMI: 4KP30,4KP29.97, 4KP25, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P25, 1080P29.97, 1080I59.94, 1080P59.94, 720P60, 720P59.94,720P50 3G-SDI: 1080P60, 1080P50, 1080I60, 1080P59.94, 1080I59.94, 1080I50, 1080P30, 1080P29.97,1080P29.97, 1080P25, 720P60,720P59.94, 720P50
Sensor	1/2.5", CMOS, Max Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	71° ~ 8.2°
Vertical Angle of View	42.7° ~ 4.5°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 76°/s
Tilt Speed Range	0.5° ~ 15°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

▼ USB FEATURES

Video System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264 / H.265
USB Audio	Support
Video Format	YUY2: max to 1080P@30fps H.264 AVC/SVC: max to2160P@30fps MJPEG: max to 1080P@60fps
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support

▼ INPUT / OUTPUT INTERFACE

LINE IN Interface	1 x LINE IN: 3.5mm Audio Interface
Communication Interface	1 x RS485: 3pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
	1 x RS232 OUT: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only
HDMI Interface	1 x RS232 IN: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P
	1 x HDMI: version 1.4b
LAN(PoE+) Interface	1 x RJ45: 10/100/1000M,Adaptive Ethernet Port. It supports PoE+
USB Interface	1 x USB 3.0: Type-C
3G-SDI Interface	1 x 3G-SDI: BNC type, 800mVp-p, 75Ω. Along to SMPTE 424M standard
Restore Button	Reset
Power Jack	JEITA type (DC IN 12V)
Power Switch	1 x Power Switch

▼ IPC FEATURES

Encode Protocol	H.264/H.265/MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 720x408, 640x480, 640x360
Sub Stream Resolution	720x480, 720x408, 640x480, 640x360, 480x320, 320x240
Video Bit Rate	H264: ~60Mbps MJPEG: ~200Mbps
Bit Rate Type	Variable bit rate, Fixed bit rate
Frame Rate	50hz: max 30fps in 4K, max 50fps in 1080p 60hz: max 30fps in 4K, max 60fps in 1080P
Audio Compression	AAC、G711
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	TCP/IP,HTTP,RTSP,RTMP/RTMPS, Onvif,DHCP,SRT,GB/T 28181,Multicast

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V /DC 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)
Size	238mm(W) x 167mm(H) x 149mm(D)

