

RC841U
4K PTZ Camera



- 4K Ultra HD**
 The new generation of SONY 1/2.5-inch high-quality UHD CMOS sensor with a maximum of 8.51 million pixels enables high-quality images with ultra-high resolution of 4K (3840x2160). And backward compatible with 1080P, 720P and other resolutions.
- Full-featured USB interface**
 Full-featured USB Type-C interface, compatible with USB3.0 and USB2.0, support audio, support encoding output, support UVC v1.1~1.5 protocol.
- 80.8° wide-angle lens + 16x digital zoom**
 Exclusive customized high-quality true 8 million ultra-high-resolution ultra-wide-angle lens, horizontal field of view up to 80.8°, optical zoom up to 12x, and support 16x digital zoom.
- PoE support**
 The wired network supports PoE power supply, and control, power supply, video and audio can be completed with only a network cable.
- Remote control**
 Multiple control methods, using RS232 (RS485 optional) serial port, network and USB, to control the camera.

- HDMI 1.4b**
 Support HDMI 1.4b specification, can directly output uncompressed 4K raw video.
- Low illumination**
 The new CMOS image sensor with ultra-high noise ratio can effectively reduce image noise in low illumination conditions, and at the same time apply 2D and 3D noise reduction algorithms to greatly reduce image noise, even in ultra-low illumination conditions, still keep the picture clean and clear, and the image signal-to-noise ratio is as high as 55dB.
- Upgraded AI tracking**
 Using upgraded AI technology, through face detection, it can accurately determine the location of people to realize auto tracking and auto framing function.
- H.264 Slice/H.264 SVC encoding support**
 The output H.264 code stream supports Slice and SVC encoding modes to accommodate high-end USB conference video applications.
- Dual code stream**
 At the same time, it supports two code stream outputs (YUY2, MJPEG, H.264, any two), reducing the pressure of host encoding and decoding.
- Rich and perfect interface**
 Support HDMI, USB3.0, network interface can output 4K video at the same time.

Camera	
Video System	HDMI: 4KP30fps,4KP25,1080P30,1080P25
Sensor	1/2.5", CMOS, Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens	12x, f 3.47mm ~ 41.65mm, F 1.84 ~ F3.72
Digital zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Automatic, indoor, outdoor, one-touch, manual, specify the color temperature
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal field of view	80.8° ~ 7.5°
Vertical field of view	49.9° ~ 4.3°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	2.7° ~ 35.7°/s
Tilt Speed Range	2.7° ~ 31.5°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

USB Features	
Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
USB audio	Support
Video Format	YUY2 Max: 1080P@30fps MJPEG: Max: 2160P@30fps H.264 AVC: Max: 2160P@30fps H.264 SVC: Max: 2160P@30fps
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

Input/Output Interface	
USB Interface	1xUSB 3.0 , Type-C Jack
HDMI Output	1xHDMI1.4b
Network Interface	1xRJ45: 10M/100M Adaptive Ethernet interface
Audio Interface	1x Line In, 3.5mm Audio Interface,
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V) / PoE(802.3af)

IPC Features	
Video Compression	H.264/MJPEG
Video Stream	The first stream, the second stream
First Stream Resolution	3840x2160,1920x1080,1280x720,1024x576,960x540,640x480,640x360
Second Stream Resolution	1920x1080,1280x720,1024x576,720x576,720x480,720x408,640x360,480x270,320x240,320x180
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.



General specification	
Input Voltage	DC 12V / PoE(802.3af)
Input Current	12V 1.0A(Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	12W (Max)
MTBF	>30000H
Size	142*152*176mm
Net Weight	1.5Kg (3.30 lb)