

RC821U USB3.0 HD Video Conference Camera



Full-featured USB Interface

Full functional USB interface, compatible with USB3.0 and USB2.0, support UVC v1.0~1.1 protocol, support video raw image and encoded image output.

1080P Full HD

Adopt Panasonic's 1/2.8 inch, 2.07 million effective pixels high quality HD CMOS sensor, which can reach maximum 1920 x 1080 high resolution, output frame rate up to 60fps/s and display clear video, vividly represent the expressions and movements of the characters.

72.5° wide angle lens

Adopt 72.5° ultra wide angle lens, support 12x optical zoom.

Multiple video interfaces

Support HDMI, USB3.0 and IP output.

Low-light

High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise even under low illumination conditions, picture can still keep clean and clear. Image SNR≥ 55db.

Remote Control

Using RS232 to remotely control the camera.

Portable usage

No need to download drivers, just use USB to plug and play.

Triple ways of power supply

power supply Simultaneously support to use 5V USB cable, 12V power cable and PoE for power supply.

Camera	
Video System	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
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°

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, Line In
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)/ USB C type (DC IN 5V)

USB Features	
Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
Audio on USB	Support
Video Format	YUY2 : Max1080P@60fps MJPEG: Max1080P@60fps H.264 : Max1080P@60fps
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

IPC Features	
Video Compression	H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Sub Stream Resolution	1280x720, 1024x576, 720x576(50Hz Support), 720x480(60Hz Support), 720x408, 640x360, 480x270, 320x240, 320x180
Video Bit Rate	32Kbps ~ 20480Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
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/DC 5V/PoE(802.3af)
Input Current	12V 1.0A(Max)/5V 1A(Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Size	142*152*176mm
Net Weight	1.5kg