



RC823 30X Optical Zoom Video Conference Camera



- 1080P
- Auto Focus
- USB 3.0
- 30X Optical Zoom

- **A new generation of ISP image processing algorithm**
The new-generation ISP image processing algorithm provides more perfect white balance and automatic exposure functions, which significantly improves the camera's image output performance and makes the imaging effect even better. Widely used in education recording, distance education, video conferencing, live broadcast, broadcasting and other industries.
- **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.
- **Multiple video interface**
Support SDI, HDMI, USB 3.0 and network audio and video output.

- **Leading auto focus technology**
Adopts advanced focus algorithms to make the lens focus quickly, accurately, and stably.
- **Exclusive audio processing algorithm**
Exclusive audio processing algorithm, can eliminate reverberation, effectively reduce environmental noise, and support EQ adjustment, optimize sound effect; The camera supports dual MIC pickup, and can also be connected to external microphones, wireless microphones, etc., to meet the pickup needs of most scenarios.
- **60.7° Wide-angle Lens**
Adopts a high-quality ultra-high-resolution full HD ultra-telephoto lens, which supports a maximum of 30x optical zoom, a 35mm equivalent focal length of up to 1010mm, and a horizontal field of view of 60.7°.

Camera	
Video System	HDMI, 3G-SDI:1080P60, 1080P59.94, 1080P50, 1080i60, 1080i59.94, 1080i50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	30x, f4.42mm ~132.6mm, F1.8 ~ F2.8
Minimal Illumination	0.5 Lux @ (F1.8White Balance)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D,3D digital noise reduction
Video S/N	≥55dB
Horizontal FOV	60.7° ~ 2.28°
Vertical FOV	34.1° ~ 1.28
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freezing	Support
Number of Preset	255
Preset accuracy	0.1°

Input/output Interface	
USB Interface	1 x USB3.0,Type-A
HD Output	1x HDMI: Version 1.3; 1x 3G-SDI: BNC , 800mVp-p, 75 Ω, as per SMPTE 424M standard
Network Interface	1x RJ45: 10M/100M/1000M adaptive Ethernet,Support PoE
Audio Interface	Built-in dual microphones 1 x Line In, 3.5mm Jack 1 x Line Out, 3.5mm Jack
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA type (DC IN 12V)

USB Features	
Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2/MJPEG/H.264
Signal System	Support variety of video formats with different frame rates and resolutions, up to 1080p/60 YUY2 output.
USB Video Communication Protocol	UVC 1.1 or UVC1.5
USB Audio	32K sampling rate, support UAC2.0
UVC PTZ Control	Support

IPC Features	
Video Coding Standard	H.264
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	1280x720,1024x576,720x576 etc.
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Control	VBR, CBR
Frame Rate	1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support Protocols	FULL NDI, NDI HX2, TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast,SRT, GB/T 28181, etc.

Audio	
Microphone Arrays	Built-in dual microphones, 100Hz to 16KHz frequency response
Analog Audio Input/Output	Support 3.5mm Line-In; Support 3.5mm Line-Out
Digital Audio Output	Support HDMI, USB, LAN, 3G-SDI etc

Generic specification	
Input Voltage	DC 12V/PoE (802.3af)
Input Current	1.0A (Max.)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	12W (Max.)
Size	169mm x 142mm x 164mm
Net Weight	1.35Kg (3.0lb)
MTBF	30000h