

# RC91 4K PTZ Video Conference Camera



- AI intelligent tracking**  
 Built-in AI processor, using deep learning technology to use human shape features, no matter where the face is facing, it can achieve smooth automatic tracking of human structure, which is very suitable for automatic target tracking in lectures, teaching, and other scenes.
- 4K Ultra HD**  
 With a new generation of SONY's 1/2.5-inch, maximum 8.51 million pixels high-quality UHD CMOS sensor, 4K (3840x2160) ultra-high resolution images are available. Backward compatible with 1080P, 720P, and other resolutions.
- 80° Wide-angle Lens + 12x Optical Zoom**  
 Use high-quality true 8 million ultra high-resolution 4K ultra wide-angle lens with 12x optical zoom and horizontal field of view up to 80°.

- HDMI2.0**  
 Support HDMI 2.0, it can directly output 4KP60 uncompressed digital video.
- Low Light**  
 The application of a 3D digital noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keeps the picture clean and clear, and the SNR of the image is as high as 55 dB.
- Multiple Interfaces**  
 It supports HDMI 2.0 FHD output and 3G-SDI interface, with an effective transmission distance of up to 150 meters (1080P30).
- Remote Control**  
 Through the RS232 and RS485 serial ports, the camera can be controlled remotely.
- Gravity Sensor**  
 It supports automatic image flipping function, which is convenient for engineering installation and use.

Camera	
Video System	<b>HDMI:</b> 4KP25, 4KP30, 4KP50, 4KP60, 4KP59.94, 4KP29.97, 1080P25, 1080P30, 1080P50, 1080P60, 1080P59.94, 1080P29.97, 1080I50, 1080I60, 1080I59.94, 720P50, 720P59.94, 720P60 <b>3G-SDI:</b> 1080P25, 1080P30, 1080P50, 1080P60, 1080P59.94, 1080P29.97, 1080I50, 1080I60, 1080I59.94, 720P50, 720P59.94, 720P60
Sensor	1/2.5 inch, CMOS Max Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens	12x, f = 3.4mm ~ 41.6mm, F1.8 ~ F3.7
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
Signal Noise Ratio	≥55dB
Horizontal Angle of View	80.8° ~ 7.5°
Vertical Angle of View	49.9° ~ 4.3°
Horizontal Rotation Range	±162.5°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.8°/s ~ 80°/s
Vertical Rotation Speed Range	1.5°/s ~ 49°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

USB Featured	
Video System	Windows 7/8/10, 11, Mac OS X, Linux, Android
Color System / Compression	USB 3.0 (Optional): YUY2/H.264/MJPEG USB 2.0: H.264/MJPEG
USB Audio	Support
Video Format	YUY2: (USB 3.0 support) max to 1080P@30fps USB 3.0/2.0 support: H.264 AVC: max to 2160P@30fps MJPEG: max to 2160P@30fps
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support

Interface/Indicator	
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
	1 x RS232 IN: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P
HDMI Interface	1 x HDMI: Version 2.0
LAN(PoE+) Interface	1 x RJ45: 10/100/1000M, Adaptive Ethernet Port. It supports PoE+
USB Interface	1 x USB 2.0: Type-C
3G-SDI Interface	1 x 3G-SDI: BNC type, 800mVp-p, 75Ω. Along to SMPTE 424M standard
Restore Button	1 x Restore Button
Power Jack	JEITA type (DC IN 12V)
Tally Indicator	1 x Tally Indicator
Power Indicator	1 x Power Indicator
Status Indicator	1 x Status Indicator
Display Screen	1 x Display Screen
Power Switch	1 x Power Switch

Network Features	
Video Compression	H.264 / 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
Bit Rate Control	CBR, VBR
Frame Rate	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Compression	G711A, AAC
Audio Bit Rate	96Kbps, 128Kbps
Support protocols	NDI® HX, TCP/IP, HTTP, RTSP, RTMP(S), ONVIF, DHCP, SRT, Multicast, etc.

General specification	
Input Voltage	DC 12V/PoE+(802.3at)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	18W (Max)
Size	223 x 163 x 166 (mm)
Net Weight	1.8 KG