



## PTZ CAMERAS

# 4K Video Conferencing PTZ Camera

RC941



The image shown here is indicative only. The actual product may differ.

## FEATURES

### ▼ DUAL ULTRA-HD COORDINATED CAMERAS

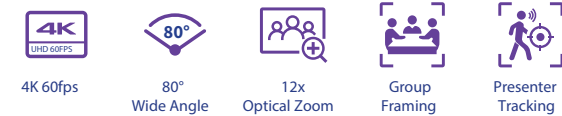
Equipped with a 12x Optical Zoom PTZ Camera and a 120° Ultra-Wide Angle Fixed-Focus Camera, it captures close-up shots and performs AI detection across the entire scene simultaneously. Supporting split-screen display of close-up and panoramic views, it offers richer perspectives of the venue, clearer and more detailed portraits, and more precise AI recognition capabilities.

### ▼ POWERFUL AI FEATURES

supports presenter tracking, group framing, zone tracking, speaker framing, gesture control, and other AI-powered features. It can adapt to various meeting scenarios, lock onto key speakers, and continuously adjust to capture close-up shots automatically.

### ▼ ULTIMATE ULTRA-HD IMAGE QUALITY

The PTZ camera features a new generation 1/1.8-inch UHD CMOS sensor with a maximum resolution of 8.42 megapixels. It supports smooth 4K@60fps video output. The high-quality optical lens provides a 90° DFOV, covering a wide area of the meeting room. It offers lossless optical zoom and flexible focus, delivering unparalleled ultra-high-definition image quality.



The RC941 is a UHD video conferencing camera tailored for medium to large conference rooms. Equipped with the latest 1/2.7-inch 4K CMOS sensor, it delivers a stunning 3840x2160 resolution for exceptional image quality, ensuring a more detailed and lifelike video conferencing experience.

### ▼ DUAL-MODE BYOM

Supports both wireless and wired connections (via accessories) to a laptop, enabling flexible BYOM usage modes. It makes the meeting experience easier and more flexible.

### ▼ AI AUDIO LOCALIZATION

The system has a built-in omnidirectional stereo microphone combined with AI voice detection and localization algorithms. It automatically tracks the speaker and adjusts the framing without manual intervention.

### ▼ COMPREHENSIVE AUDIO INTEGRATION

The system supports multiple audio interfaces, including digital microphones, analog audio, USB audio, HDMI audio, and network audio. It allows the connection of microphones, speakers, audio mixers, and other professional audio equipment, offering extensive external audio expansion. This enables seamless audio and video integration, supporting the BYOM mode without needing additional devices.

### ▼ MULTIPLE VIDEO INTERFACES

The system supports 2 HDMI outputs, 1 USB 3.0 port, and 1 network video output, all capable of synchronously delivering 4K video quality, which can satisfy the integration requirements of various meeting room.

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## SPECIFICATIONS

### ▼ OPTICAL LENS

Video Resolution	4KP60/50, 1080P60/50
Sensor	1/1.8", CMOS, 8.42 Megapixels
Scanning Mode	Progressive
Lens	12x, f4.81mm ~f57.8mm, F1.8 ~ F3.6
Digital Zoom	5x
Minimum Illuminance	0.005Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥38dB
Horizontal Angle of View	80.8° ~ 7.5°
Vertical Angle of View	49.19° ~ 4.3°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +30°
Pan Speed Range	0.86°~46.64°/S
Tilt Speed Range	0.35°~14.53°/S
H & V Flip	Support
Image Freeze	Support
Number of Preset	255

### ▼ USB FEATURES

Operating System	Windows 7, 8, 10, 11, Mac OSX, Linux, Android
Color System / Compression	YUY2 / H.264/MJPEG/H.265
Video Format	YUY2 (Isosynchronous): Max 1080P60; MJPEG: Max 2160P60; H.264: Max 2160P60; H.265 HEVC: Max 2160P60;
USB Audio	Support
USB Video Communication Protocol	UVC 1.1, UVC 1.0
UVC PTZ Control	Support

### ▼ INPUT / OUTPUT INTERFACE

USB Interface	1x USB 3.0, Type-C; 1x USB 2.0, Type-A
Audio Input Interface	Built-in dual MIC
HDMI Input Interface	2x HDMI 2.1
HDMI Output Interface	1x HDMI 2.0
Network Interface	1x RJ45: 10M/100M/1000M Adaptive Ethernet; 1xPSE(802.3at); WIFI5
Audio Interface	1x Line In, 1x Line Out; 3.5mm Audio Interface; 1xMIC In; 48V phantom power; 1x DMIC; 1x USB
Power Jack	JEITA type (DC IN 12V)

### ▼ FIXED FOCUS LENS

Sensor	1/2.7", CMOS, 8.30 Megapixels
Scanning Mode	Progressive
Lens	f3.0 ±5%
Digital Zoom	5x
Minimum Illuminance	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥38dB
Horizontal Angle of View	86°
Vertical Angle of View	54°
H & V Flip	Support

### ▼ IPC FEATURES

Video Compression	H.265 / H.264 / MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Sub Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360, 480x272, 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, Multicast, DHCP, etc

### ▼ GENERAL SPECIFICATION

Input Voltage	DC 12V
Input Current	12V 3A
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	36W
MTBF	>30000H
Dimension	233mm (W) × 154.8mm (D) × 165mm (H)
Weight	2.5kg

## INTERFACE

- 1 — USB TYPE-C Interface
- 2 — LINE IN Interface
- 3 — MIC IN Interface
- 4 — LINE OUT Interface
- 5 — USB 3.0 Interface
- 6 — HDMI IN Interface
- 7 — HDMI OUT1 Interface
- 8 — HDMI OUT2 Interface
- 9 — LAN Interface
- 10 — TOUCH/DMIC Interface
- 11 — DC 12V Interface
- 12 — 5G Antenna Interface

