

## CAMERAS

# 4K Video Conferencing PTZ Camera

## PTZ Camera Pro (RC841U)



4K 30fps



80.8°  
Wide Angle



12x  
Optical Zoom



Auto Framing with  
AI Technology



Humanoid  
Tracking

RC841U is an UHD video conferencing camera designed specifically for medium to large-sized conference rooms. It features the latest generation 1/2.8-inch 4K CMOS sensor from SONY, enabling a resolution of 3840x2160 for incredibly high image quality. It delivers a more detailed and lifelike video conferencing experience.



## FEATURES

### ▼ 4K VIDEO QUALITY

Equipped with the new generation 4K CMOS sensor from SONY with a maximum pixel count of 8 million, this camera can achieve ultra-high resolution video images of 4K (3840x2160), meeting the high image quality requirements of various conference rooms.

### ▼ 12X OPTICAL ZOOM

Equipped with an 80.8° wide-angle lens, this camera features 12x optical zoom and 16x digital zoom, enabling clear capture of details both near and far in the conference room with no distortion at the edges of the image.

### ▼ AI TRACKING

This camera is equipped with built-in video AI algorithms that can recognize the positions of participants in the conference room and automatically

## SPECIFICATIONS

### ▼ CAMERA

Video Resolution	HDMI: 4KP30, 4KP25, 1080P30, 1080P25
Sensor	1/2.8", CMOS, 8.51 Megapixels
Scanning Mode	Progressive
Lens	12x, f=3.47mm ~ 41.65mm, F1.84 ~ F3.72
Digital Zoom	16x
Minimum Illuminance	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	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	80.8° ~ 7.5°
Vertical Angle 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°

### ▼ AUDIO

Operation	
Color S	
Video	
USB A	
USB V	
Protocol	
UVC P	

### ▼ GENERAL

Input	
Input	
Operation	
Storage	
Power	
MTBF	
Dimension	
Weight	

### ▼ INPUT / OUTPUT INTERFACE

USB Interface	1x USB 3.0, Type-C Jack
HDMI Output Interface	1x HDMI 1.4b
Network Interface	1x RJ45: 10M/100M Adaptive Ethernet
Audio Interface	1x Line In, 3.5mm Audio Interface
Communication Interface	1x RS232 In: 8pin Min. DIN, Max. Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V) / USB B type (DC IN 5V)

## INTERFACE

### ▼ ULTRA-HIGH SIGNAL-TO-NOISE RATIO

Equipped with an ultra-high signal-to-noise ratio CMOS image sensor, this camera effectively reduces image noise in low-light conditions. At the same time, it applies 2D and 3D noise reduction algorithms to maintain a clean and clear image in ultra-low light conditions, with a signal-to-noise ratio of over 55dB.

### ▼ SILENT MECHANICAL PTZ

Equipped with a silent mechanical PTZ, this camera has a ±170° horizontal rotation range and a -30°~+90° vertical rotation range, fully covering the entire conference room space and leaving no blind spots, even in corner positions.

### ▼ COMPATIBLE WITH MULTIPLE TERMINALS

This camera supports HDMI, USB3.0, and network interfaces to simulta-