

CAMERAS

4K Video Conferencing PTZ Camera

PTZ Camera Ultra (RC840U)



4K UHD



60°

Wide Angle



20x

Optical Zoom



Auto Framing



Humanoid Tracking



Speaker Tracking

An ultra-high-definition video conferencing camera designed specifically for large and medium-sized meeting environments. It features a brand-new 1/1.8-inch 4K high-quality CMOS sensor, delivering a maximum video resolution of 3840x2160 for clearer and more detailed image quality. Equipped with our in-house AI video algorithms, users can capture precise meeting content without the need for manual intervention, allowing them to focus on the meeting and enhance efficiency.



FEATURES

▼ UHD PICTURE QUALITY

Utilizing a next-generation 1/1.8-inch 4K high-quality CMOS sensor with an effective pixel count of up to 8.29 million, it can achieve an ultra-high 4K (3840x2160) resolution video image, delivering clear and vibrant picture quality, faithfully reproducing the real meeting environment.

▼ 20X OPTICAL ZOOM

Featuring a 60° wide-angle lens, combined with a 20x super telephoto optical zoom and 16x digital zoom, it can capture clear and undistorted details from any location within the conference room, ensuring a crisp and distortion-free image.

▼ Wide-Angle Pan-Tilt Rotation

Featuring a mechanical silent pan-tilt, it supports a ±170° horizontal rotation range and a -30° to +90° vertical rotation range, effectively covering the entire conference room space, including even the corners.

▼ AI-Assisted Filming

Equipped with image recognition and tracking algorithms, the camera can detect changes in the positions of meeting participants and automatically adjust the camera angle for optimal framing. It also allows you to select a specific subject to capture, and the camera will smoothly and automatically track the subject as they move.

▼ SPEAKER TRACKING BY AI TECHNOLOGY

Incorporating built-in sound source localization algorithms, the camera can automatically identify the location of the sound source when meeting participants speak, quickly focusing on it for a close-up shot. This entire process requires no manual intervention, allowing meeting participants to focus solely on the conference.

▼ COMPATIBLE WITH CLOUD VIDEO CONFERENCING PLATFORMS

SPECIFICATIONS

▼ CAMERA

Sensor	1/1.8", CMOS, 8.29 Megapixels
Video Resolution	USB/IP: 4KP60, 4KP30, 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50 HDMI: 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Scanning Mode	Progressive
Lens	f6.7mm ~ 125mm, F1.58 ~ F3.95
Optical Zoom	20x
Digital Zoom	16x
Minimum Illuminance	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Adjustable Color Temperature
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	59.6°
Vertical Angle of View	35.7°
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 Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V
Input Current	12V 1.5A (Max)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Dimension	142mm (W) × 152mm (D) × 177mm (H)
Weight	1.51kg

INTERFACE

▼ IP

Video

Video

Main S

Sub S1

Video

Bit Rate

Frame

Audio

Audio

Support

▼ U

Opera

Color S

Video

USB A

USB V

Protoc

UVC P

▼ IN

USB Ir

Audio

HDMI

Audio

Comm

Netwo

Power