ROCWARE®
Valuable Professional

PRODUCT CATALOG

*Committed to becoming a leader
in the field of audio and video communication*

ROCWARE®
Valuable & Professional

16 YEARS

Independent Research and Development

Localized Audio and Video Technology

For 16 years since its establishment, Rocware has adhered to independent research, development and innovation, continuously invested in improvement, and fully mastered the core algorithm technology in the field of audio and video. The entire product line is independently controllable, safe, reliable, and highly competitive.

Own Factory

Complete Self-owned Supply Chain

Rocware has its own factory, it can independently complete part of the mold design and manufacturing, CNC processing, plastic injection molding and other basic material production. It also has an internationally advanced high-speed double-sided PCB SMT line, precision equipment assembly and testing line, to ensure product quality and stable supply.

+1-800-416-1895

Well-developed After-sales Support System

Rocware has set up five major marketing centers around the world, with more than 30 after-sales service outlets. It provides 7*12 hour customer service telephone support, as well as various online and offline technical support and after-sales services to comprehensively ensure the user experience.

ROCWARE CORPORATION
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ROCWARE®

COMPANY INTRODUCTION

ROCWARE® is one of the world's leading audio and video technology companies. With a history of 15 years, the company has been dedicated to independent research and development of audio and video technology and equipment. Our product lineup includes PTZ cameras, USB webcams, video conferencing terminals, and microphones. We have also mastered the core algorithm technologies in the field of audio and video, enabling us to provide secure, reliable, and highly competitive audio and video products and industry solutions to customers across various industries worldwide.

Our products cater to the needs of multiple industries, including video conferencing, education, healthcare, and live streaming. They are compatible with major conference platforms such as Skype, Teams, and Zoom. Our mission is to help customers achieve remote meeting communication and collaboration more easily by offering high-quality products at competitive prices.

ROCWARE® works closely with customers from over 50 countries worldwide, and our solutions have gained wide recognition and trust. Whether it's improving work efficiency or enhancing remote collaboration, ROCWARE® is committed to helping customers achieve their goals.

Core Audiovisual Technology

Image Signal Process
AWB, AE, AF, Video Coding

Audio 3A Algorithm
Acoustic Echo Cancelling(AEC); Automatic Gain Control(AGC)
Automatic Noise Suppression(ANS)

AI Audio-Visual Algorithms
· Auto Framing by AI Technology; Speaker Tracking; Automatic Program Direct; Automatic Generate Whiteboard Video Stream

· Noise Reduction by AI Technology; Sound Source Localization; Reverberation Elimination by AI Technology

SOLUTIONS

Cloud Video Conferencing Solutions

This solution addresses the problems of multiple devices, complex wiring and high maintenance difficulties in traditional video conferencing scenarios. It can be flexibly adapted to different meeting spaces of enterprises. Whether it's small, medium, or large conference rooms, a "good sound quality and clear video" video conferencing experience can be achieved through simple deployment, unleashing the digital vitality of the enterprise.

▼ Easy Deployment

Plug and Play. The unique all-in-one design lets you get excellent audio-visual effects in video communications through simple deployment. Match a straightforward and powerful solution for your own spaces.

▼ Make Remote Communication Face to Face

The solution incorporates Rocware®'s proprietary AI audio and video algorithm technology. Providing a clear and natural meeting experience for remote workers. Bringing remote participants to the conversation.

Comprehensive coverage of conference room spaces

Huddle Room

👪 <8 People

• Three-in-one design reduces wiring
• Integrates AI algorithms for excellent audiovisual experience
• One-click control for meeting
• Compatible with all video conferencing software

Midsize Meeting Room

👪 8-15 People

• All devices are self-developed and produced, with stable quality
• Large 12x optical zoom with wide angle
• World-class AI audio algorithms
• Compatible with all video conferencing software

Large Meeting Room

👪 15-30 People

• All devices are self-developed and produced, with stable quality
• 4K Camera,Large 12x optical zoom with wide angle
• World-class AI audio algorithms
• Stereophonic sound effect, broadcast-grade audiovisual experience
• Compatible with all video conferencing software

SPECIFICATION

	▼ Huddle Room	▼ Midsize Meeting Room	▼ Large Meeting Room
Solution Component			
Room Size	<30㎡(320sqf)	<60㎡(640sqf)	<120㎡(1290sqf)
Conference Camera	RC10 All-in-One USB Video Bar	RC821U Full HD Video Conferencing PTZ Camera	RC841U 4K Video Conferencing PTZ Camera
Maximum Output Resolution	4K@30fps	1080P@60fps	4K@30fps
Zoom Ratio	5×Digital Zoom	12×Optical Zoom 16×Digital Zoom	12×Optical Zoom 16×Digital Zoom
Conference Microphone	RC10 All-in-One USB Video Bar	A10 Smart Conference Speakerphone	RM702 Cascading Omnidirectional Digital Array Microphone
Expansion Mic	Support	Support	Support
Number of Expansion Mic	1	2	6
Pickup Distance	6m	Primary-Mic: Radius 5m Expansion Mics: Radius 3m	Radius 3m
Conference Speaker	Built-in RC10	Built-in A10	S22 Hi-Fi Speaker
Operating System	Rooms Client(Zoom Rooms) (Based on Windows)	Rooms Client(Zoom Rooms) (Based on Windows)	Rooms Client(Zoom Rooms) (Based on Windows)
Conferencing Endpoint	RP3 Video Conferencing PC (Windows)	RP3 Video Conferencing PC (Windows)	RP1S Video Conferencing PC (Windows)
Packing List	RC10 RT10 RP3 Power Adapter USB Cable HDMI Cable CAT Cable Remote Controller Lens Cap Specification	RC821U A10 RT10 RP3 Power Adapter USB Cable HDMI Cable CAT Cable Remote Controller Lens Cap Specification	RC841U RM702 S22 RT10 RP1S Power Adapter USB Cable HDMI Cable CAT Cable Remote Controller Lens Cap Specification
Optional Accessories	5m USB Cable 10m USB Cable TV Mounting Bracket	5m USB Cable 10m USB Cable TV Mounting Bracket	5m USB Cable 10m USB Cable TV Mounting Bracket Ceiling Mounting Bracket
Warranty	3-Year Limited Hardware Warranty		

Smart Classroom Solutions

Rocware® has developed a series of solutions for the education industry, covering blended learning, educational recording, broadcasting and seamless sound reinforcement. These solutions incorporate AI audiovisual technology innovation and product research and development capabilities, bringing more convenient operational management and more intelligent educational audiovisual experiences. They allow teachers to teach without burden and students to learn more easily, sparking new vitality in school teaching.

▼ Interactive teaching solution based on public cloud

This solution is specifically designed to meet the requirements of remote interactive teaching. It is based on a public cloud design, which results in lower installation costs. The solution mainly consists of 2 smart cameras and 1 digital microphone. It features a simple wiring setup and does not require additional independent control panels, live streaming, or recording devices. With this setup, an intelligent classroom environment can be easily established to facilitate interactive teaching.

Live Classroom | Interactive Teaching | AI Director | Smart Whiteboard | Supervision and Inspection

RC031 Student Camera
Speaker
RC031 Teacher Camera
RM702
Screen (OPS)

▼ A hands-free sound reinforcement system for teaching

Designed specifically to meet the need for uniform sound amplification during teaching, this solution consists of an omnidirectional sound reinforcement microphone RM80 and an additional speaker, both independently developed by Rocware®. It can be used by simply connecting the microphone and the speaker. The latency between sound capture and amplification is less than 18ms. Teachers are not required to wear or hold any microphone devices, allowing them to focus on teaching. Students can hear the teacher's voice clearly and easily from any location in the classroom.

Plug and Play | 360° Omnidirectional Pickup | AI Noise Reduction | Low-Latency | Infrared Remote Control

Speaker
RM80
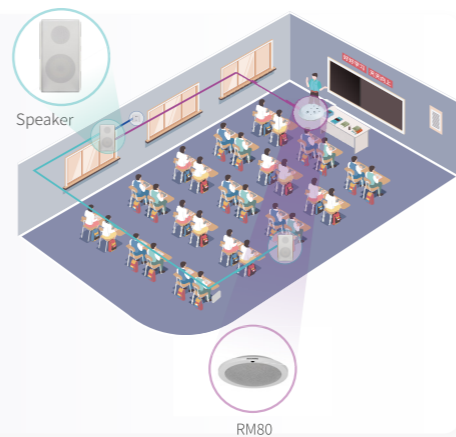
Live Streaming

Educational Recording

Laboratory Training

Teaching Research

Administrative Management

4K Video Conferencing PTZ Camera

PTZ Camera Pro (RC841U)

4K UHD 30FPS
4K 30fps

80.8°
80.8° Wide Angle

+
12x Optical Zoom

Auto Framing with AI Technology

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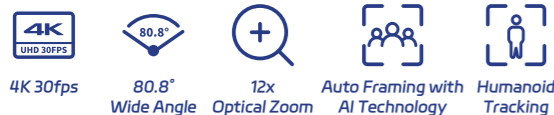
RC841U is an UHD video conferencing camera designed specifically for medium to large-sized conference rooms. It features the latest generation 1/2.8-inch 4K CMOS sensor from SONY, enabling a resolution of 3840x2160 for incredibly high image quality. It delivers a more detailed and lifelike video conferencing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

ZOOM
Certified

ROCWARE

STANDBY   POWER

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 adjust the camera angle to obtain the best composition and framing of the image. It can also be set to track and follow a specific subject as they move during the conference.

COMPATIBLE WITH POPULAR CONFERENCING SOFTWARE
This camera is compatible with popular video conferencing software systems, including Microsoft Teams, Zoom, Cisco WebEx and more, making it easy to connect and start a meeting.

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 simultaneously output 4K UHD video streams, making it compatible with various conference terminals that have different interface requirements.

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°

▼ IPC FEATURES

Video Compression	H.265 / H.264 / MJEPG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	3840x2160,1920x1080,1280x720,1024x576,960x540,640x480,640x360
Sub Stream Resolution	1920x1080,1280x720,1024x576,720x576,720x480,720x408,640x360,480x270,320x240,320x180
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc

▼ USB FEATURES

Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	YUY2 (Isochronous): Max 1080P30; MJPEG: Max 2160P30; H.264 AVC: Max 2160P30; H.264 SVC: Max 2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

▼ 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) / PoE

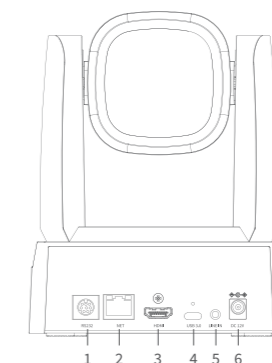### ▼ GENERAL SPECIFICATION

Input Voltage	DC 12V / PoE (802.3af)
Input Current	12V 1.0A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Dimension	142mm (W) × 152mm (D) × 177mm (H)
Weight	1.56kg

INTERFACE

1 —— RS232 Interface
2 —— NET Interface
3 —— HDMI Interface
4 —— USB3.0 Interface
5 —— LINE IN Interface
6 —— DC 12V Power Jack

1 2 3 4 5 6

1080P Video Conferencing PTZ Camera

PTZ Camera (RC821U)

HD CMOS	**1080P** FULL HD	**72.5°** Wide Angle	**12x Optical Zoom**	**Auto Framing** · **Humanoid Tracking**

A Full HD video conferencing camera designed specifically for medium to large conference scenarios, featuring a brand-new generation of HD CMOS high-quality sensors that deliver 1920x1080 resolution image quality and output frame rates of up to 60fps, providing a more refined and smooth video conferencing experience.

ZOOM Certified

ROCWARE

STANDBY   POWER

SPECIFICATIONS

▼ CAMERA

Video Resolution	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
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	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
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°

▼ INPUT / OUTPUT INTERFACE

USB Interface	1x USB 3.0 , Type-C Jack
HDMI Output Interface	1x HDMI 1.3a
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) / PoE

▼ IPC FEATURES

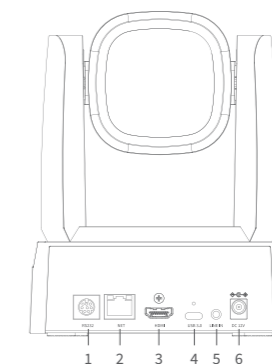|	
Video Compression	H.264 / MJEPG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080,1280x720,1024x576,960x540, 640x480,640x360
Sub Stream Resolution	1280x720,1024x576,720x480,720x408, 640x360,480x272,320x240,320x180
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Type	Variable Rate, 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, DHCP, Multicast, etc

▼ USB FEATURES

Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System /Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max 1080P60; H.264 AVC: Max 1080P60; MJPEG: Max 1080P60
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V / PoE (802.3af)
Input Current	12V 1.0A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Dimension	142mm (W) × 152mm (D) × 177mm (H)
Weight	1.45kg

FEATURES

▼ HD IMAGE QUALITY
Equipped with HD CMOS image sensor, it can deliver high-quality images with a maximum resolution of 1920x1080. At 1080P, the output frame rate can reach up to 60fps, providing clear and smooth image quality.

▼ 12X OPTICAL ZOOM
Featuring a 72.5° wide-angle lens and 12x optical zoom, it can capture clear images even from a distance. Equipped with a mechanical gimbal, it can achieve a ±170° horizontal rotation and a -30°~+90° vertical rotation, ensuring no blind spots in the conference room.

▼ EASY WIRING
Supporting PoE power supply, only one network cable is needed to connect for control, power supply, video, and audio, making wiring simple and convenient.

▼ Video Algorithms by AI Technology
Incorporating built-in video AI algorithms, it can identify the positions of meeting participants, automatically adjusting the camera angle for the best composition. You can also choose a target for filming, and the camera will automatically track and follow the subject as they move.

▼ COMPATIBLE WITH POPULAR CONFERENCE SOFTWARE
The camera is compatible with popular video conferencing software,including Microsoft Teams, Zoom, Cisco, WebEx and more. Simply connect the camera and start the meeting.

▼ FLEXIBLE INSTALLATION
The camera supports various installation methods such as hanging, wall mounting, mounting, desktop installation, and tripod installation, providing flexibility to meet the needs of different conference settings.

INTERFACE

1 —— RS232 Interface
2 —— NET Interface
3 —— HDMI Interface
4 —— USB3.0 Interface
5 —— LINE IN Interface
6 —— DC 12V Power Jack

1 2   3   4 5 6

Full HD Live Streaming PTZ Camera

RC721U-I

1080P USB PTZ Camera, designed for live streaming, support portrait, landscape mode and real time beauty-filter.Smart auto focus and light management technology, plug and play, provide high quality video experiences for end users.

1080P FULL HD | **12x Optical Zoom** | **TOF** | **Video Beauty** | **Vertical Screen Output** | **Full Function USB**

SPECIFICATIONS

▼ CAMERA

Signal System	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Optical Zoom	12x
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥55dB
Horizontal FOV	72.5° ~ 6.9°
Vertical FOV	44.8° ~ 3.9°
Pan Angle	±170°
Tilt Angle	±30°
Pan Speed	1.61° ~ 75.56° /s
Tilt Speed	0.44° ~ 15° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Built-in Microphone	Optional
Microphone Pickup Distance	6m

▼ USB SPEC

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System /Compression	YUY2 / MJPEG
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

▼ INPUT / OUTPUT INTERFACE
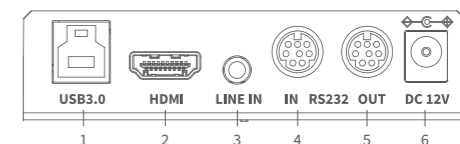
USB Interface	1x USB 3.0 , Type-B
HDMI Interface	1x HDMI 1.4b
Audio Interface	1x Line In, 3.5mm Jack
Control Interface	1x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P; 1 × RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA Type (DC IN 12V)

▼ GENERAL SPEC

Input Voltage	DC 12V
Input Current	12V 1.0A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W
MTBF	>30000H
Dimension	118mm (W) × 129.2mm (D) × 157.3mm (H)
Weight	0.9kg

FEATURES

▼ 1080P
Use a high -quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P30fps image output and multiple lower resolutions like 720p.

▼ 72.5° WIDE-ANGLE LENS + 12×OPTICAL ZOOM
1080P optical lens, support max 12× optical zoom and 72.5° horizontal field of view. support 16 times digital zoom.

▼ REMOTE CONTROL
By using RS232, the camera can be controlled.

▼ FULL FUNCTION USB INTERFACE
Full -function USB interface, compatible with USB3.0, USB2.0, supports UVC 1.1 protocols, supports video original images and encoding image output.

▼ TOF
The TOF module assists in focusing, allowing the lens to focus quickly, accurately, and stably.

▼ LOW ILLUMINATION
The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 2D and 3D noise reduction algorithms, even in an ultra-low illumination environment,camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

▼ MICROPHONE[1]
The built -in microphone, the pick -up distance is 6 meters long, high sensitivity, low -bottomed noise.

▼ VERTICAL SCREEN OUTPUT
Support vertical screen output mode.

▼ MULTIPLE INTERFACES
Support HMDI, USB3.0 streaming simultaneously.

Remark: 1. This feature is optional.

INTERFACE

1 —— USB3.0 Interface
2 —— HDMI Interface
3 —— LINE IN Interface
4 —— RS232 IN Interface
5 —— RS232 OUT Interface
6 —— DC 12V Power Jack

USB3.0 | HDMI | LINE IN | IN RS232 OUT | DC 12V
1 | 2 | 3 | 4   5 | 6

1080P Video Conferencing PTZ Camera

RC721U

| 1080P FULL HD | 72.5° Wide Angle | 12x Optical Zoom | Built-in Mic | Full-function USB |

RC721U features a 72.5-degree wide-angle 12x optical zoom lens and is equipped with an electric mechanical cloud platform, allowing for a ±170-degree horizontal rotation and ±30-degree vertical movement, easily covering any position in the meeting room and providing 1080P full HD picture quality. You can choose whether to include a built-in microphone, with a pick-up distance of 6m to meet your daily conference communication needs.

FEATURES

1080P FULL HD
RC721U utilizes a new generation of Panasonic 1/2.8-inch, 2.07 Megapixels HD CMOS sensor, with an image resolution of up to 1920x1080, and a frame rate of up to 60fps output in 1080P.

72.5° WIDE-ANGLE LENS & 12X OPTICAL ZOOM
The camera features a high-quality, high-resolution Full HD lens with a maximum horizontal viewing angle of 72.5 degrees, and supports 12x optical zoom, allowing for clear capture even at a distance.

ELECTRIC MECHANICAL CLOUD PLATFORM
It comes with a built-in self-developed electric mechanical cloud platform, with a horizontal rotation range of ±170 degrees and a rotation speed range of 1.61° to 75.56°/s. The vertical rotation range is -30° to 90°, with a rotation speed range of 0.44° to 15°/s.

FULL-FUNCTION USB
With a full-function USB interface, it is compatible with USB 3.0 and USB 2.0, supporting audio, encoding output and the UVC 1.1 protocol.

ULTRA-HIGH SIGNAL-TO-NOISE RATIO
Equipped with a high signal-to-noise ratio CMOS image sensor, it effectively reduces image noise in low-light conditions. At the same time, it utilizes 2D and 3D noise reduction algorithms to maintain a clean and clear image in low light, with an image signal-to-noise ratio of over 55dB.

BUILT-IN MICROPHONE
You can choose to include a built-in digital microphone with a pick-up distance of up to 6m, high pick-up sensitivity, low background noise and clear sound quality.

USB VIDEO OUTPUT
Supports USB 3.0 and HDMI[1] output of HD video streams, enabling direct use with commercial displays, computer peripherals and other devices.

REMOTE CONTROL
The camera supports RS232 serial port for remote control.

SPECIFICATIONS

▼ CAMERA

Video Resolution	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimal Illumination	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	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
Horizontal Rotation Range	±170°
Vertical Rotation Range	±30°
Pan Speed Range	1.61° ~ 75.56°/s
Tilt Speed Range	0.44° ~ 15°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°
Built-in Mic	Optional
Pickup Distance	6m

▼ INPUT / OUTPUT INTERFACE

|	
USB	1x USB 3.0, Type-B Jack
HDMI Output	1x HDMI 1.3a
Audio Interface	1x Line In, 3.5mm Audio Interface
Network	1x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P; 1x RS232 Out: 8pin Min DIN, Max Distance: 30m, VISCA Agreement
Power Jack	JEITA Type (DC IN 12V)

▼ USB FEATURES

Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System /Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2 (Isochronous): Max 1080P60; H.264 AVC: Max 1080P60; H.264 SVC: Max 1080P60; MJPEG: Max 1080P60
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V
Input Current	DC 12V / 1A(MAX)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Dimension	99mm (W) × 128mm (D) × 154mm (H)
Weight	0.91kg

INTERFACE
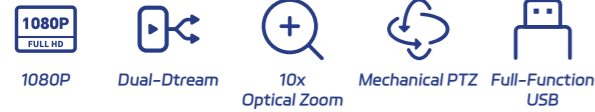
1 —— USB3.0 Interface
2 —— HDMI Interface
3 —— LINE IN Interface
4 —— RS232 IN Interface
5 —— RS232 OUT Interface
6 —— DC 12V Power Jack
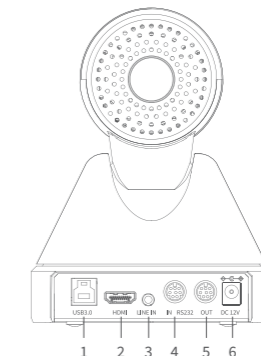
1080P Video Conferencing PTZ Camera

RC20

RC20 is a video conferencing camera designed for high cost-effectiveness needs of enterprises. It features a new generation 1/2.8'' HD CMOS sensor and delivers excellent image quality at 1080P resolution. With its 10x optical zoom capability, it presents clear details of the meeting room.

1080P FULL HD	Dual-Dtream	10x Optical Zoom	Mechanical PTZ	Full-Function USB

SPECIFICATIONS

▼ CAMERA

Video Resolution	1080P, 720P, 540P, 480P, 360P, 240P
Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens	10x, f4.7mm ~ 46.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimal Illumination	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	58.5° ~ 6.5°
Vertical Angle of View	35.1° ~ 3.6°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	2.7° ~ 47°/s
Tilt Speed Range	3.4° ~ 30°/s
H & V Flip	Support
Number of Preset	255
Preset Accuracy	0.1°

▼ USB FEATURES

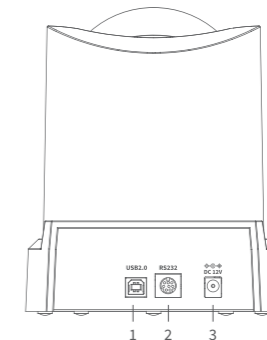|	
Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	H.264 AVC: Max 1080P30; H.264 SVC: Max 1080P30; MJPEG: Max 1080P30
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V
Input Current	1A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Dimension	141.5mm(W) × 151.1mm(D) × 170.2mm(H)
Weight	1.153kg

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0, Type-B Jack
Communication Interface	1x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA Type (DC IN 12V)

FEATURES

▼ 1080P FULL HD
Equipped with a high-quality HD CMOS sensor with 2.07 Megapixels, it provides a maximum resolution of 1920x1080, delivering Full HD image quality.

▼ 10X OPTICAL ZOOM
The lens supports 10x optical zoom with a focal length of f=4.7mm ~ 46.3mm, presenting clear close-up views of the meeting room.

▼ SILENT MECHANICAL PTZ
Built-in self-developed motorized pan-tilt, the camera can rotate horizontally up to ±170° with a rotation speed of 2.7° ~ 47° /s and vertically from -30° to 90° with a rotation speed of 3.4° ~ 30° /s.

▼ SUPPORTS H.264 SLICE/ H.264 SVC ENCODING
It supports H.264 Slice and SVC encoding modes for outputting H.264 stream, which is suitable for high-end USB conference video applications.

▼ DUAL-STREAM
It supports dual-stream output (YUY2, MJPEG, H.264) at the same time, reducing the encoding and decoding pressure on the host.

▼ REMOTE CONTROL
The camera supports RS232 serial port for remote control.

▼ FLEXIBLE INSTALLATION
It supports horizontal and vertical flipping and can be installed in different ways, such as normal mounting, suspension, or ceiling mounting, depending on the actual needs of the meeting room.

INTERFACE

1 —— USB 2.0 Interface
2 —— RS232 Interface
3 —— DC 12V Power Jack

1080P Video Conferencing PTZ Camera

PTZ Camera mini (RC310)

1080P FULL HD 1080P	**AF** TOF	**+** 3x Optical Zoom	Mechanical PTZ	Auto Framing with AI Technology

RC310 is a highly cost-effective video conferencing camera designed specifically for small enterprise meeting scenarios. With a compact body the size of a palm, it features a 1/2.8'' high-quality CMOS sensor that delivers 1080P HD image quality. It is equipped with various AI video algorithms, providing an outstanding video communication experience.

FEATURES

▼ USB PLUG-AND-PLAY

With just a single USB cable, it enables audio and video transmission as well as camera power supply, offering a hassle-free deployment experience.

▼ 1080P + 3X OPTICAL ZOOM

Using a new generation HD CMOS sensor, it delivers a Full HD 1080P video experience, combined with 3X optical zoom, ensuring clear images for both panoramic and close-up shots.

▼ WIDE FIELD OF VIEW

It features a 90° ultra-wide-angle lens that supports ±170° horizontal and -30° to +90° vertical rotation, capturing the entire meeting space without blind spots.

▼ 3M PICKUP DISTANCE

It has two built-in microphones with a pickup distance of up to 3m, eliminating the need for additional audio pickup devices and enabling simultaneous audio and video recording.

▼ TOF FAST AUTOFOCUS

Equipped with Time-of-Flight (TOF) laser focusing technology, it achieves rapid autofocus, keeping the subject in focus at all times, ensuring clear and stable image quality.

▼ AUTO FRAMING WITH AI TECHNOLOGY

Built-in video AI algorithms can recognize the positions of meeting participants and automatically adjust the camera's field of view to capture the best composition. In single-person shooting mode, the camera automatically tracks and focuses on the moving target.

▼ VERSATILE INSTALLATION

It supports both desktop installation and tripod installation, meeting the diverse installation needs of meetings and live streaming scenarios.

SPECIFICATIONS

▼ CAMERA

Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens	3x, f3.41mm ~ 10.33mm, F1.66 ~ F3.03
Digital Zoom	16x
Minimal Illumination	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	90° ~ 30.7°
Vertical Angle of View	52° ~ 18.4°
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°

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0, Type-C Jack
Audio Input	Built-in dual mic
Communication Interface	1x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA (DC IN 12V) / USB Type-C (DC IN 5V)

▼ USB FEATURES

Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG
Video Format	YUY2 (Isochronous): Max 640x480P30 MJPEG: Max 1920x1080P30
USB Audio	Optional
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

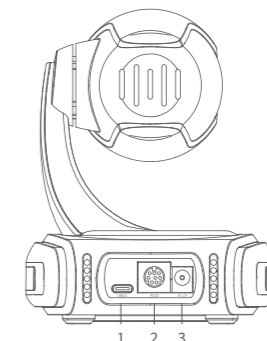### ▼ GENERAL SPECIFICATION

Input Voltage	DC 12V / USB 5V
Input Current	12V 0.4A / 5V 0.9A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	5W
MTBF	>30000H
Dimension	107.9mm(W) × 114.3mm(D) × 136.5mm(H)
Weight	0.5kg

INTERFACE

1 —— USB 2.0 Interface
2 —— RS232 Interface
3 —— DC 12V Power Jack

1 2 3

4K Business Webcam

RC17 / RC18

- **4K** UHD 30FPS — 4K 30fps
- 84°/120° — 84°/120° Wide Angle
- USB 3.0 — USB 3.0
- Built-in Mic
- Auto Framing with AI Technology

RC17/RC18 is a HD commercial camera designed specifically for small to medium-sized meeting rooms in enterprises. It offers a choice between two lens models: RC17 120° fixed lens or RC18 84° auto-focus lens, depending on the requirements of the meeting room. Both models feature a 4K CMOS sensor that achieves a resolution of 3840x2160, delivering a more detailed and realistic video conferencing experience.

SPECIFICATIONS

▼ CAMERA

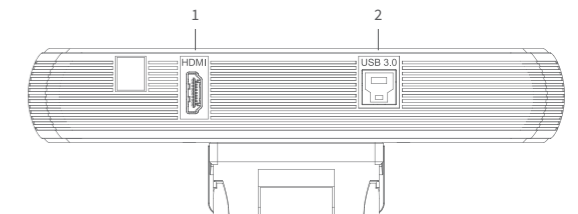|	
Sensor	1/2.5'', CMOS, 8.29 Megapixels
Scanning Mode	Progressive
Lens Mount	M12
Lens One	RC17, Focal length: f=3.5mm, Horizontal field Angle: 120°
Lens Two	RC18, Focal length : f=2.8mm, Horizontal field Angle: 84°
Minimum Illuminance	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Camera Bracket	Standard equipped damped rotating bracket

▼ USB FEATURES

Operating System	Windows® 7 (only 1080P and below support) Windows 8, Windows 10, Windows 11 MacOS X Above Linux 2.4.6 Android (include UVC-related driver programs)
Color System /Compression	YUY2 / H.264 / MJPEG
Video Format	4KP30/25; 1080P/30/25; 720P/30/25; 960x540P/30/25; 640x360P/30/25
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support (EPTZ)

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 3.0; Type-B
HDMI Output	1x HDMI 1.4 [1]

▼ GENERAL SPECIFICATION

Input Voltage	5V (USB-powered)
Input Current	0.6A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3W
Dimension	194mm (W) × 42mm (D) × 34mm (H) (Stent-free)
Weight	0.5kg

FEATURES

▼ 4K VIDEO QUALITY
It utilizes a 1/2.5'' 4K CMOS sensor with 8.29 Megapixels. It supports maximum 4K@30fps image encoding output and is also compatible with lower resolutions such as 1080P and 720P.

▼ WIDE FIELD OF VIEW
The camera offers a choice between 84° and 120° lenses, with support for auto-focus (only available with the 84° lens) and EPTZ electronic zoom, allowing for a clearer and wider viewing range.

▼ AI AUTO FRAMING
It incorporates built-in video AI algorithms that can recognize the positions of participants and automatically adjust the camera angle for the best framing.

▼ SPEAKER TRACKING
With built-in intelligent analysis algorithms, it can identify the speaker's position, intelligently link with the EPTZ function and automatically track the speaker, ensuring that the speaker remains clear in the frame.

▼ AI HUMAN TRACKING
By utilizing AI technology to extract target features, it can achieve smooth human tracking regardless of the direction the person is facing. It is suitable for applications such as automatic tracking of presenters and provides flexibility in selecting the tracking target.

▼ BUILT-IN MICROPHONE[1]
An optional built-in digital microphone array is available, equipped with VHD (Virtual HD) exclusive noise suppression algorithms, enabling clear omnidirectional audio pickup within a range of 6m.

Remark: 1. This feature is optional.

INTERFACE

1 —— HDMI Interface[1]
2 —— USB 3.0 Interface

1080P Business Webcam

RC13

RC13 is a HD commercial camera specifically designed for small meeting rooms in enterprises. It offers a CMOS sensor that delivers 1080P resolution for improved meeting quality. With the included dampened rotating axis bracket, it can easily adapt to mainstream displays on the market, making deployment simple and hassle-free.

1080P FULL HD	120°	CMOS		
1080P	120° Wide Angle	HD CMOS	Built-in Mic	USB 2.0

SPECIFICATIONS

▼ CAMERA

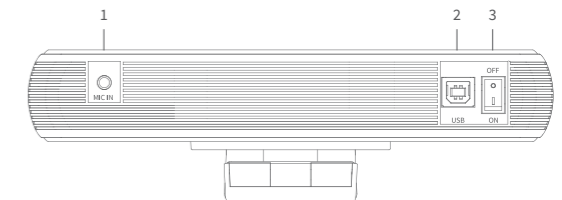|	
Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focal length: f=2.20mm, Wide Angle: 108°
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual, Adjustable color temperature
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Camera Bracket	Standard equipped damped rotating bracket

▼ USB FEATURES

Operating System	Windows® 7 (only 1080P and below support) Windows 8, Windows 10, Windows 11 MacOS X Above Linux 2.4.6 Android (include UVC-related driver programs)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB memory or higher USB 2.0
Color System /Compression	YUY2 / H.264 / MJPEG
Video Format	1080P/30/25; 720P/30/25; 960x540P/30/25; 640x360P/30/25
USB Video Communication Protocol	UVC 1.1

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0; Type-B
HDMI Output	1x MIC In, 3.5mm Audio Interface

▼ GENERAL SPECIFICATION

Input Voltage	5V (USB-powered)
Input Current	0.27A
Power Switch	Support
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	1.4W
Dimension	192mm (W) × 42mm (D) × 34mm (H) (Stent-free)
Weight	0.214kg

FEATURES

▼ 1080P FULL HD
It features a high-quality 2.07 Megapixels CMOS image sensor that supports a maximum of 1080@30fps/25fps image encoding output. It is also backward compatible with lower resolutions such as 720p.

▼ WIDE-ANGLE LENS
It utilizes a 108° fixed-focus lens and supports EPTZ electronic mute pan-tilt-zoom, providing a larger viewing angle and clearer visuals.

▼ NOISE-CANCELING MICROPHONE
It has a built-in digital microphone that enables 360° omnidirectional audio pickup with a range of up to 6m. With excellent noise suppression algorithms, it ensures clear voice communication.

▼ USB 2.0
It features a full-featured USB 2.0 interface that provides power, control, audio and video transmission for the camera, offering a simple deployment experience.

▼ HIGH SIGNAL-TO-NOISE RATIO
Equipped with a high signal-to-noise ratio CMOS image sensor, it effectively reduces image noise in low-light conditions. With the application of 2D and 3D noise reduction algorithms, it maintains clean and clear images even in low-light environments, achieving a signal-to-noise ratio of 55dB or higher.

▼ ONE-BUTTON CONTROL SWITCH
It has a power switch button on the camera body for one-click operation to turn it on or off, enhancing security and privacy during camera usage.

▼ EASY INSTALLATION
The camera comes with a standard dampened rotating axis bracket that easily adapts to the majority of displays available on the market. It ensures a simple and stable installation process.

INTERFACE

1 —— MIC IN Interface
2 —— USB Interface
3 —— ON/OFF

USB Webcam

RC15

1080P FULL HD | 1080P
110° | 110° Wide Angle
WDR
Built-in Mic
Full-function USB

RC15 is a high-cost-performance USB webcam specifically designed for small to medium-sized meeting rooms and personal office settings. It can be easily powered, controlled and transmit audio and video through a single USB interface, offering plug-and-play convenience. Equipped with a dampened rotating axis bracket, it can be easily installed on various types of displays, ensuring quick and convenient setup.

SPECIFICATIONS

▼ CAMERA

Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focal length: f=2.2mm, Wide Angle: 110°
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	2D&3D Digital Noise Reduction
Camera Bracket	Standard equipped damped rotating bracket

▼ USB FEATURES

Operating System	Windows® 7 (only 1080P and below support), Windows 8.1, Windows 10 or higher macOS™ 10.10 Or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux (Support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB memory or higher USB 2.0
Color System / Compression	H.265 / H.264 / MJPEG
Video Format	1080P/30/25; 720P/30/25; 960x540P/30/25; 640x360P/30/25
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0; Type-A

▼ GENERAL SPECIFICATION

Input Voltage	5V (USB-powered)
Input Current	0.3A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	1.5W
Dimension	118.0mm (W) x 38.5mm (D) x 34.7mm (H)
Weight	0.1kg

FEATURES

▼ 1080P FULL HD
It features a high-quality 2.07 Megapixels CMOS image sensor, supporting up to 1080P@30fps video output, delivering a HD video conferencing experience.

▼ WIDE FIELD OF VIEW
With a 110° wide-angle lens, it can accommodate more participants, capturing clear footage even for those sitting in the corners, resulting in enhanced meeting effectiveness.

▼ WDR SUPPORT
It effortlessly handles different lighting environments, ensuring clean and clear footage even in overly bright or dark conditions.

▼ USB 2.0
It supports a USB 2.0 interface, allowing for power, control, audio and video transmission for the camera, providing a streamlined deployment experience.

▼ HIGH SIGNAL-TO-NOISE RATIO
Equipped with a high signal-to-noise ratio CMOS image sensor, it effectively reduces image noise in low-light conditions. By utilizing 2D and 3D noise reduction algorithms, it maintains clean and clear images even in extremely low-light environments, achieving a signal-to-noise ratio of 55dB or higher.

▼ OMNIDIRECTIONAL MICROPHONE
It has a built-in microphone array that enables 360° omnidirectional audio pickup within a radius of 6m. With Rocware®'s exclusive noise suppression algorithm, it delivers clear voice reproduction.

▼ EASY INSTALLATION
With the included dampened rotating axis bracket, it can be easily applied to the majority of displays available on the market, ensuring simple and stable installation.

INTERFACE

1 —— USB 2.0 Interface

CAMERAS

USB Webcam

RC16

4K 30fps | 110° Wide Angle | Auto Framing With AI Technology | Human Tracking Shooting | Built-in Mic

RC16 is a high-performance USB webcam designed specifically for small to medium-sized meeting rooms and personal office environments. It is equipped with a next-generation UHD CMOS image sensor, providing 4K UHD resolution images. In addition, it features automatic focus, AI framing, person tracking algorithms and audio processing capabilities, delivering an exceptional conference audiovisual experience for users.

SPECIFICATIONS

▼ CAMERA

Sensor	1/2.7'', CMOS, 8.29 Megapixels
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focal length: f=2.2mm, Wide Angle:110°
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
Camera Bracket	Standard equipped damped rotating bracket

▼ USB FEATURES

Operating System	Windows® 7 (only 1080P and below support), Windows 8.1, Windows 10 or higher macOS™ 10.10 Or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux (Support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB memory or higher USB 2.0 (4K need USB3.0)
Color System / Compression	H.264 / MJPEG / YUY2
Video Format	4KP30/25, 1080P30/25, 720P30/25, 960x540P30/25, 640x360P30/25,etc.
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support (EPTZ)

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 3.0; Type-C
Infrared Remote Control	Support

▼ GENERAL SPECIFICATION

Input Voltage	5V (USB-powered)
Input Current	0.6A (MAX)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3.0W (MAX)
Dimension	118mm (W) x 37.2mm (D) x 34.5mm (H) (stent-free)
Weight	0.2kg

FEATURES

▼ 4K UHD
It utilizes a 1/2.7'' UHD CMOS sensor with 8.29 Megapixels. It supports a maximum 4K@30fps image encoding output, delivering higher picture resolution and rich details.

▼ 110° WIDE ANGLE
Equipped with a 110° ultra-wide-angle lens, it captures a wider range and minimizes image distortion. With Auto Framing technology, it can automatically detect people within the field of view and adjust the picture angle accordingly.

▼ AUTO FRAMING WITH AI TECHNOLOGY
The camera integrates AI algorithms and facial recognition technology, automatically identifying changes in seating arrangement in the meeting room and adjusting the camera's field of view for optimal framing. It can also track new participants as they enter the frame.

▼ HUMAN TRACKING SHOOTING WITH AI TECHNOLOGY
With the built-in NNE hardware unit and deep learning technology, it achieves smooth person tracking by extracting target features, regardless of the direction of the person's face is facing.

▼ 6M CLEAR AUDIO PICKUP
Featuring a built-in beamforming microphone array and unique noise suppression and automatic gain algorithms, it ensures clear audio pickup within a range of 6m, enhancing speech clarity.

▼ FULL-FEATURED USB 3.0
Supporting a full-featured USB 3.0 interface, it enables integrated power supply, video and audio transmission. It can also support simultaneous input from two USB video sources[1] and one audio source.

▼ ONE-CLICK CONVENIENCE
With the exquisite infrared remote control and exclusive software, users can easily activate features such as automatic framing and person tracking with a single click. It also allows convenient settings for presets, electronic pan-tilt-zoom (ePTZ), image parameters, providing a user-friendly operating experience.

Remark:
1. This feature is optional.

INTERFACE

1 —— USB3.0 Interface

USB Webcam

RC19

1080P FULL HD | 1080P

90° | 90° Wide Angle

Full-function USB

Noise Reduction by AI Technology

Physical Privacy Shielding

Built-in Mic

RC19 is a high-performance USB webcam specifically designed for small to medium-sized meeting rooms and personal office environments. It integrates a 1080P HD camera and a digital array microphone, combining audio and video experience in one device. Simply connect it to a large screen, computer, or other peripherals via USB to start a meeting. The unique sliding privacy cover allows you to close the lens at any time, ensuring participant privacy.

SPECIFICATIONS

▼ CAMERA

Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focal length: f=2.8mm, Wide Angle: 90°
Minimum Illuminance	0.5Lux @ (F2.2, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Camera Bracket	Standard equipped damped rotating bracket
Physical Privacy Shielding	Support
Digital Zoom	4X

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0; Type-A

▼ GENERAL SPECIFICATION

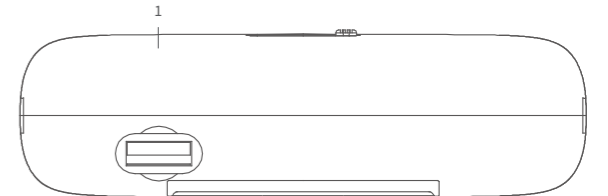|	
Input Voltage	5V (USB-powered)
Input Current	0.2A
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	1W
Dimension	103mm (W) x 27mm (D) x 30mm (H)
Weight	153g

▼ USB FEATURES

Operating System	Windows® 7 (only 1080P and below support), Windows 8.1, Windows 10 or higher macOS™ 10.10 Or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux (Support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB memory or higher USB 2.0
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	1080P30/25, 720P30/25, 960x540P30/25, 640x360P30/25
USB Video Communication Protocol	UVC 1.1
UAC	Support
UVC PTZ Control	Support (EPTZ)

FEATURES

▼ FULL HD IMAGE
It uses a 2.07 Megapixels high-quality CMOS image sensor, supporting a maximum 1080@30fps/25fps image encoding output. It is also backward compatible with resolutions such as 720p.

▼ DISTORTION-FREE WIDE ANGLE
With a wide field of view, the maximum horizontal field of view can reach 90°, capturing a broader range without distortion. The camera can be equipped with auto-focus (AF) functionality.

▼ ELECTRONIC PAN-TILT
Without the need for mechanical rotating devices, it achieves precise and noiseless pan-tilt functionality electronically, ensuring reliability and durability.

▼ 6M CLEAR AUDIO PICKUP
Featuring a built-in microphone array, it enables 360° omnidirectional audio pickup with a pickup range of up to 6 meters. It incorporates Rocware®'s unique noise suppression and Automatic Gain Control (AGC) algorithms, ensuring clear and natural voice communication.

▼ FULL-FEATURED USB
Supporting a full-featured USB 2.0 interface, a single USB cable provides power, control, audio and video transmission, making the wiring process simple.

▼ PRIVACY COVER DESIGN
The camera is equipped with an integrated sliding privacy cover, allowing you to close the lens at any time to protect the privacy of participants.

INTERFACE

1 —— USB Interface

1

4K UHD Intelligent Teaching Camera

RC031

4K UHD 30FPS
4K 30fps

Dual-camera Collaboration

Intelligent Tracking

Automatic Program Direct

Automatic Generate Whiteboard Video Stream

RC031 is a 4K UHD intelligent teaching camera designed specifically for the education field. By setting up a teacher unit and a student unit, it can provide coverage of the entire classroom. The camera is equipped with built-in AI tracking algorithms and intelligent switching strategies, allowing for real-time switching of different perspectives, including panoramic and close-up views of the teacher, panoramic and close-up views of the students, as well as close-up views of the teacher's whiteboard. It can automatically generate unobstructed views of the whiteboard, enabling a comprehensive presentation of the teacher's perspective and the students' perspective, making it an ideal tool for interactive teaching in schools.

FEATURES

▼ 4K UHD VIDEO QUALITY
The camera utilizes a 1/2.7'' high-quality 4K CMOS sensor with 8.31 Megapixels, providing an ultra-clear video teaching experience.

▼ AI TRACKING CAPTURE
The camera is equipped with AI algorithms for detecting human heads, faces and bodies. The teacher unit can automatically track and capture the teacher's movements, unaffected by student movements or the presence of large screens. The student unit can accurately detect student standing actions, regardless of other student movements.

▼ INTELLIGENT WHITEBOARD GENERATION
During a class, the camera can automatically remove any obstruction of the whiteboard by capturing human figures, providing real-time unobstructed video streams and snapshots of the whiteboard for easy viewing by students.

▼ INTELLIGENT SWITCHING STRATEGY
The camera features an AI-based automatic switching strategy, allowing real-time switching of different perspectives based on the dynamic conditions in the classroom. This includes panoramic and close-up views of the teacher, panoramic and close-up views of the students and close-up views of the teacher's whiteboard. The switching process is as smooth as manual broadcasting.

▼ DUAL-UNIT DUAL-PERSPECTIVE
The camera offers both a teacher unit and a student unit. The teacher unit has a 44° field of view and supports autofocus, while the student unit has a 95° field of view, capturing the entire classroom scene.

▼ EASY INSTALLATION AND WIRING
The camera supports PoE (Power over Ethernet) connectivity, allowing for a simple and efficient installation. With its compact design, it doesn't take up much space in the classroom. The camera also offers a variety of interfaces, making it compatible with existing school equipment such as large screens, speakers, and monitoring systems.

SPECIFICATIONS

▼ CAMERA

Sensor	1/2.7'', CMOS, 8.31 Megapixels
Scanning Mode	Progressive
Lens Mount	M12
Lens One (For Teacher)	Focal length: f=7.2mm, Wide Angle: 44°
Lens Two (For students)	Focal length: f=2.8mm, Wide Angle: 95°
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
EPTZ	Support
Auto-Focusing	Lens one Support
PoE-Powered	Support
Digital Zoom	8X

▼ IPC FEATURES

Video Compression	H.265 / H.264 / MJPEG
Video Stream	Primary video stream, Secondary video stream, Tertiary video stream, Quaternary video stream
Primary Video Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360, 320x240, 320x180
Secondary Video Stream Resolution	3840x2160,1920x1080,1920x1080,1280x720,1024x576,720x576(50Hz),720x480(60Hz), 720x408,640x360,480x270
Tertiary Video Stream Resolution	1920X1080,1280X720,1024x576,960x540,720x576(50Hz),720x480(60Hz),720x408,640x360,480x270,320x240,320x180
Quaternary Video Stream Resolution	1024x576,960x540,720x576(50Hz),720x480(60Hz),720x408,640x360,480x270,etc.
Video Bit Rate	32Kbps ~ 16384Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	1~30fps
Audio Compression	AAC / G.711a
Audio Bit Rate	96Kbps, 128Kbps
Support Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, GB28181, Multicast,etc.

▼ USB FEATURES

Operating System	Windows 11, Windows 10, Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color System / Compression	H.264 / MJPEG
Video Format	MJPEG: Max 2160P30fps
USB Audio	UAC1.0
USB Video Communication Protocol	UVC 1.1 ~ UVC 1.5

### ▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0; Type-C
Network Interface	1x RJ45: 10M/100M Adaptive Ethernet, PoE support
Audio Interface	1x 3.5mm LINE IN 1x 3.5mm LINE OUT
Power Jack	DC005 (DC 12V)
Indicator light	Power indicator light
Infrared Interface	Support

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V / PoE (802.3af)
Input Current	0.5A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	6W (Max)
MTBF	>30000H
Dimension	110mm (W) x 96mm (D) x 44mm (H)
Weight	0.2kg

INTERFACE

1 —— LAN
2 —— LINE IN
3 —— LINE OUT
4 —— USB 2.0
5 —— DC 12V
6 —— Indicator Light

LAN   LINE IN   LINE OUT   USB2.0   DC 12V
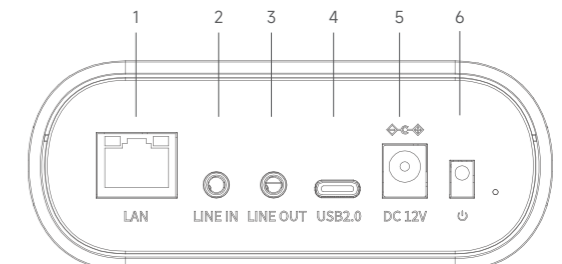
CAMERAS

Dual-lens 4K Intelligent Auto Tracking Camera

RC051

Designed for intelligent educational settings, the RC051 combines dual lenses for panoramic and close-up views, delivering 4K UHD images. It includes built-in instructional tracking and directing, AI features like facial recognition and teaching behavior analysis. It also supports HDMI input, which enhances the teaching experience.

Dual Lens · **4K UHD** · **Facial Recognition** · **AI Behavior Analysis** · **AI Smart Director**

FEATURES

▼ DUAL-LENS
The camera incorporates a dual-lens design that combines panoramic and close-up capabilities. The panoramic lens offers an effective resolution of 4.93MP, while the close-up lens provides 8.29MP, enabling comprehensive classroom coverage and capturing every detail.

▼ ULTRA-CLEAR CLOSE-UP
The close-up lens provides exceptional clarity with its narrow field of view. The 21° teacher-focused lens, boasting an 8MP resolution, delivers clarity equivalent to a 42° lens with a 34MP resolution. Likewise, the 44° student-focused lens matches the clarity of a 95° lens with 58MP resolution.

▼ MINI PTZ
The camera is equipped with a mini PTZ that can horizontally rotate ±40°, expanding the shooting range significantly. It also supports EPTZ, ensuring clear images. The seamless integration of PTZ and EPTZ allows for more precise framing, capturing all the important details in the class.

▼ INTELLIGENT TRACKING
The teacher's camera includes advanced algorithms for head, facial, and body recognition and tracking. It can track and capture the teacher without any additional positioning camera or device, ensuring no missed interactive details during teaching.

▼ AI SMART DIRECTOR
The camera features built-in AI director algorithms, recognizing real teaching scenarios and automatically switching between teacher panoramic, close-up, and board close-up views, as well as student panoramic and close-up views. It also supports external directing consoles, outputting multi-camera streams via network or USB interfaces to meet the needs of external directing scenarios.

▼ AI BEHAVIOR ANALYSIS
Equipped with AI algorithms for facial recognition and behavior analysis, the camera automatically detects the number of students, simplifying school attendance management. These intelligent functions streamline teaching administration, improving efficiency and enhancing the educational experience.

▼ MULTIPLE OUTPUT INTERFACES
Supporting various video output interfaces like PoE and USB 3.0, it easily connects to recording and broadcasting hosts, large-screen OPS, and other devices, expanding application scenarios effectively.

Remark: 1. This feature is optional.

SPECIFICATIONS

▼ CAMERA SPEC OF CLOSE-UP CAMERA

Sensor	1/2.7", CMOS, Effective pixel:8.29MP
Scanning Mode	Progressive
Type of Lens Mount	M12
Student Close-up Lens	f=7.37mm, Horizontal FOV: 43°
Teacher Close-up Lens	f=12.49mm, Horizontal FOV: 26°
Digital Zoom	2x
Minimum Illumination	0.5Lux
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support
Pan Angle	±40°
Tilt Angle	+5° ~ -30°
Maximum Rotation Speed	Student Camera: Pan Speed 60°/s,Tilt Speed 30°/s Teacher Camera: Pan Speed 30°/s,Tilt Speed 30°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.5°

▼ CAMERA SPEC OF PANORAMIC CAMERA

Sensor	1/2.7", CMOS, Effective pixel:8.29MP
Scanning Mode	Progressive
Type of Lens Mount	M12
Student Panoramic lens	f=2.2mm, Horizontal FOV: 110°
Teacher Panoramic lens	f=7.37mm, Horizontal FOV: 43°
Minimum Illumination	0.5Lux
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support
Tilt Angle	+0° ~ -24°
Image Flip	Support
Image Freeze	Support

▼ AUDIO

Built -in Array Microphone	4 Microfen array[1], 100Hz to 16kHz frequency response
Simulation Audio Input	1 x LINE In
Simulation Audio Output	1 x LINE Out
Digital Audio Interface	1 x USB audio input output 1 x network audio input output, supports 1588-based audio clock synchronization

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INTERFACE

1 —— DC 12V
2 —— LAN
3 —— USB
4 —— SDI
5 —— LINE IN
6 —— LINE OUT

▼ USB SPEC

|	
Operating System Supported	Windows® 7 (Only support 1080P and below), Windows 8.1 and above version; macOS ™ 10.10 and above version; Google ™ Chromebook ™ Version 29.0.1547.70 and above version; Linux (Need to support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 DUO processor or higher; 2 GB memory or higher; USB 3.0 or USB 2.0 interface
Color System / Compression	YUY2/MJPEG/H.264
Video Format	Maximum 4K and other different frame rates and resolution video formats
USB Video Communication Protocol	UVC 1.1
USB Audio	The maximum 48K sampling rate, supports UAC1.0
UVC PTZ Control	Support

▼ NETWORK SPEC

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream, Third Stream, Fourth Stream
First Stream Resolution	3840x2160,1920x1080, 1280X720, etc.
Second Stream Resolution	2880x1620, 1920x1080, 1280X720, etc.
Third Stream Resolution	1920X1080,1280X720,1024x576, etc.
Fourth Stream Resolution	1920x1080, 1280x720,1024x576, etc.
Video Bit Rate	32Kbps ~ 16384Kbps
Bit Rate Type	VBR, CBR
Frame Rate	25/30fps
Audio Compression	AAC/G.711A
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support Protocols	TCP/IP, HTTP, HTTPS, NDI, SRT, RTSP, RTMP, Onvif, DHCP, GB28181, Multicast, etc.

▼ I / O

USB Interface	1x USB 3.0; Type-C
Network Interface	1 x RJ45: 10M / 100M adaptive Ethernet; PoE(802.3af), Support NDI[1]
Audio Interface	1 x LINE In: 3.5mm 1 x LINE Out: 3.5mm
Power Interface	DC005 (DC 12V)
Reset Button	RESET
Infrared Interface[1]	Support
Indicator Light	POWER ,STANDBY

▼ GENERIC SPEC

Input Voltage	DC 12V / PoE (802.3af)
Input Current	1A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
Dimension	242mm (W) × 86mm (D) × 70mm (H)
Net Weight	0.62kg
No Failure Time	30000h
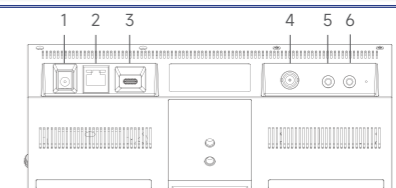
4K All-in-One USB Video Bar

MeetingWindow (RC10)

4K 30fps | **All-in-One** | **121° Wide Angle** | **Auto Framing With AI Technology** | **Humanoid Tracking**

RC10 is a HD USB audio and video all-in-one machine designed specifically for small and medium-sized meeting rooms. It integrates a HD camera, beamforming microphone, and full-range speaker into one device, effectively reducing installation and wiring while delivering a 4K UHD video conferencing experience. It helps businesses conduct efficient business negotiations and remote team collaborations.

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FEATURES

ALL-IN-ONE DESIGN
The design combines a 4K ultra-high-definition camera, array microphone and full-range speaker in one device, reducing wiring and enabling plug-and-play functionality.

4K-QUALITY IMAGE
Equipped with a next-generation CMOS sensor with 8.51 Megapixels, it delivers clear and sharp 4K@30fps video conference images.

WIDE VIEWING ANGLE AND PANORAMIC COVERAGE
With a wide-angle lens of 121° and 5x zoom, combined with ±15° horizontal and vertical rotation through the pan-tilt mechanism, it can capture a larger number of participants in a single frame.

PROFESSIONAL AUDIO OUTPUT
The full-range high-fidelity speaker, with professional acoustic design, provides deep bass, rich mid-range and clear high-frequency sounds, resulting in natural and authentic voice reproduction.

AI-ASSISTED PHOTOGRAPHY
AI technology recognizes the number and position of participants in the meeting room and automatically adjusts the camera angle for the best composition. It also identifies the speaker's voice source and quickly focuses and tracks their movements.

CLEAR AUDIO PICKUP UP TO 6m
Built-in low-distortion beamforming algorithm and Audio 3A algorithm, ensure clear and full audio pickup within a range of 6 meters, regardless of distance.

SUPPORTS POE CASCADING FOR AUDIO PICKUP
Supports cascading of up to 2 M702 array microphones. Power and audio signal transmission to the microphones are achieved through the POE network port (RJ45). This setup ensures even coverage in larger conference room scenarios, delivering equal and consistent audio pickup for every participant.

SMART GALLERY WITH AI TECHNOLOGY
Equipped with the in-house developed algorithms detecting for head, face, and figure. These algorithms adjust the screen layout according to the number of participants, capturing everyone's facial details clearly and making the conference more vivid. The voice-triggered function can seamlessly switch the main screen from the overall meeting view to a close-up of the speaker, ensuring smoother communication.

Remark:
1. This feature is optional.

SPECIFICATIONS

▼ CAMERA

Video Resolution	4K@30fps, 1080P@30fps, 720P@30fps, etc.
Sensor	1/2.5'', CMOS, 8.51 Megapixels
Optical Lens	121°(DFOV), 110°(HFOV), 5x digital zoom, Level/pitch ±15°
PTZ	Mechanical PTZ, Electronic PTZ
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥ 55dB

▼ AUDIO FEATURE

Full Range Speaker	96 dB SPL at 0.5m
Mic-array	Beamforming mic, Pickup distance 6m
Expand Mic	Support [1]

▼ INPUT / OUTPUT INTERFACE

HDMI Output	1x HDMI 1.4b
Network Interface	1x RJ45: 10M/100M Adaptive Ethernet [1], support PSE
Audio Interface	1x RJ45: D-MIC，Support Microphone Cascading
USB Interface	1x USB3.0, Type C, 1x USB2.0,Type A
Wireless	Bluetooth 5.0

▼ USB FEATURES

Operating System	Windows® 7 (only 1080P and below support), Windows 8.1, Windows 10 or higher macOS™ 10.10 Or higher Linux (Support UVC), Android
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB memory or higher USB 2.0
Color System /Compression	MJPEG / YUY2
USB Video Communication Protocol	UVC 1.1

▼ OTHER

Installation Mode	Supports various installation methods such as desktop placement, wall mounting, and TV mounting
Standard Cable	USB 3.0 cable
Safety Protection Measures	Anti-theft lock socket design

▼ GENERAL SPECIFICATION

Power	DC 12V, 2A (Max)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Dimension	600mm (W) × 117mm (D) × 135mm (H)
Weight	2.5kg

INTERFACE

1 ——	DC 12V Power Jack
2 ——	USB 3.0 Interface
3 ——	HDMI Interface
4 ——	USB 2.0 Interface
5 ——	RJ45 Interface
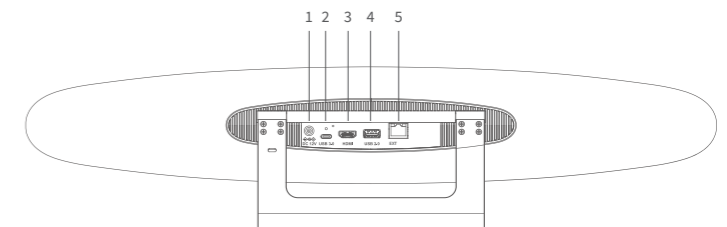
Mini USB Video Bar

Owl (RC08)

1080P
FULL HD

1080P | **Three-in-One** | **Audio 3A algorithm** | **Full Range Speaker** | **Built-in Mic**

RC08 is a mini USB audio-video all-in-one device designed specifically for small meeting rooms and personal offices. It integrates a HD camera, omnidirectional microphone and full-range speaker in a three-in-one design, greatly simplifying the wiring process. With USB connectivity, it can be used instantly without any configuration, making video conferencing simple and enjoyable.

SPECIFICATIONS

▼ CAMERA

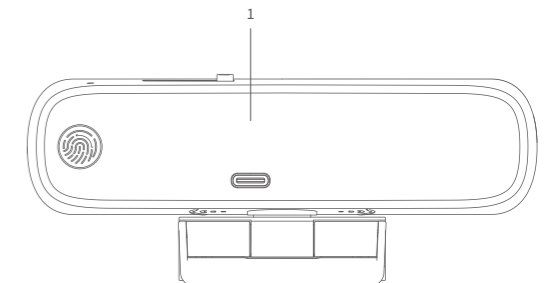|	
Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focal length: f=2.8mm, Horizontal field Angle: 90°
AF	Support
Minimal Illumination	0.5 Lux @ (F2.0, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual, Adjustable color temperature
Camera Bracket	Standard equipped damped rotating bracket
Physical Privacy Shielding	Support
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Digital Zoom	4X

▼ USB FEATURES

Operating System	Windows® 7 (only 1080P and below support), Windows 8.1, Windows 10 or higher macOS™ 10.10 Or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux (Support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB memory or higher USB 2.0
Color System /Compression	YUY2 / H.264 / MJPEG
Video Format	1080P30/25, 720P30/25, 960x540P30/25, 640x360P30/25
USB Video Communication Protocol	UVC 1.1
UAC	Support
UVC PTZ Control	Support (ePTZ)

▼ AUDIO FEATURE

Audio Algorithm	AEC / AGC / ANS
Full-range Speaker	82dB SPL at 0.5m
Microphone	360° omnidirectional microphone, Sensitivity : -30±2dB

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0, Type-C

▼ GENERAL SPECIFICATION

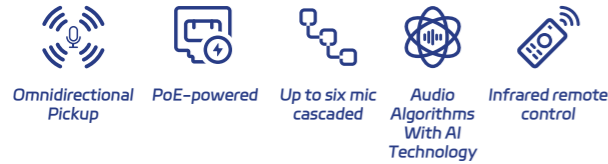|	
Power	5V (USB-powered)
Input Current	0.5A
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	2.5W
Dimension	121mm (W) x 31mm (D) x 35mm (H) (Stent-free)
Weight	0.1kg

FEATURES

▼ INTEGRATED BIONIC DESIGN
The integrated design combines a HD camera, highly sensitive omnidirectional microphone and full-range speaker in one device, allowing for easy plug-and-play setup with simple wiring. The unique bionic design provides an excellent audiovisual conference experience.

▼ FULL HD WIDE-ANGLE LENS
Equipped with a high-quality HD CMOS sensor, it offers a maximum output of 1080@30fps/25fps image encoding. The horizontal field of view can reach 90°, ensuring distortion-free images at the edges.

▼ 360° OMNIDIRECTIONAL PICKUP
With a digital microphone, it achieves 360° pickup sensitivity of -30±2dB. The volume automatic gain control algorithm ensures balanced and clear audio pickup from any position.

▼ AUDIO 3A ALGORITHM
It features a built-in Audio 3A algorithm (AEC/AGC/ANS) for full-duplex conversation. It automatically balances volume levels during audio capture while effectively suppressing noise, resulting in clear and balanced sound quality.

▼ HARMAN TUNED SPEAKER
The device uses a Harman-tuned speaker with a ducted sound chamber, delivering excellent playback performance. The high frequencies are clear and penetrating, while the low frequencies are natural and powerful, providing full and clear voice reproduction.

▼ ELECTRONIC PAN-TILT
The device incorporates an electronic pan-tilt mechanism, eliminating the need for mechanical rotating devices. It offers precise rotation, noise-free operation, and enhanced durability. It also supports 4X digital zoom.

▼ PRIVACY COVER DESIGN
The camera is equipped with an integrated sliding privacy cover that can be closed at any time to protect the privacy of participants.

▼ EASY INSTALLATION
It can be easily installed using a damping rotating axis bracket, compatible with almost 100% of the monitors available in the market. The installation process is simple, stable, and reliable.

INTERFACE

1 —— USB Interface

1

MICROPHONES

Cascading Omnidirectional Digital Array Microphone

Michain (RM702)

Omnidirectional Pickup — **PoE-powered** — **Up to six mic cascaded** — **Audio Algorithms With AI Technology** — **Infrared remote control**

RM702 is a digital array microphone designed specifically for corporate business conference communication. It can be flexibly cascaded and expanded according to the conference room space, covering the entire room for audio pickup. Equipped with an audio processing unit and AI audio algorithm capabilities, it effectively eliminates various noises, echoes, feedback and howling in the conference room, providing a high-quality voice communication experience.

RM702A

RM702C

FEATURES

▼ DIGITAL MICROPHONE ARRAY
It features a high signal-to-noise ratio ring-shaped microphone array design, achieving 360° omnidirectional audio pickup. This allows speakers to freely move within a larger range in the room, freeing them from constraints.

▼ PoE CASCADING PICKUP
Each individual microphone has an effective pickup distance of 3m and up to 6 microphones can be cascaded using Power over Ethernet (PoE), enabling distributed audio pickup and uniform coverage in medium to large conference rooms.

▼ LOW-LATENCY AUDIO TRANSMISSION
It has a powerful built-in audio processing unit, eliminating the need for an external audio processor. It offers ultra-low signal transmission latency, ensuring seamless and delay-free remote communication.

▼ MULTIPLE INTERFACE OUTPUTS
It is equipped with standard USB 2.0 and auxiliary audio interfaces, supporting plug-and-play functionality for both digital and analog audio applications.

▼ SOUND SOURCE LOCALIZATION TECHNOLOGY
It utilizes blind beamforming technology to automatically locate the sound source and capture it accurately. It adapts to the acoustic environment and achieves voice enhancement, providing better anti-interference capabilities.

▼ FLEXIBLE INSTALLATION OPTIONS
It supports various installation methods such as desktop placement, ceiling mounting, and suspension. This allows for flexible and quick deployment, reducing maintenance costs.

▼ AI AUDIO ALGORITHMS
It incorporates various AI algorithm technologies such as intelligent tracking, intelligent noise reduction, echo cancellation, automatic gain control and reverberation removal. Even in noisy environments, clear audio can be easily achieved.

SPECIFICATIONS

▼ BASIC PARAMETER

Microphone Type	Omnidirectional microphone
Microphone Array	Built-in six high signal-to-noise ratio mic form a circular array, 360° Omnidirectional sound pickup
Sensitivity	-38 dBFS
Signal-to-noise Ratio	65 dB(A)
Frequency Response	50Hz - 16kHz
Sampling Rate	Clear pickup from 3m
Echo Cancellation	Support
Noise Suppression	Support
Automaticgain Control	Support

▼ CASCADING FUNCTION

Cascading Mode	PoE
Cascade Quantity	Six sets

▼ HARDWARE INTERFACE

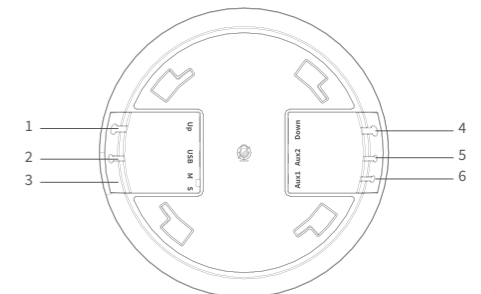|	
Network Interface	RJ45 upstream and downstream network ports
USB	USB Audio interface (Type-C), UAC1.0 agreement
Analog Audio Interface	AUX1, AUX2

▼ GENERAL SPECIFICATION

Power Supply Mode	PoE cascade, 48V power supply, support EEE 802.3 at / USB 5V 500mA
Support System	Windows / Mac / Linux
Installation Mode	Desktop placement, Suspension mounting
Dimension	170mm (W) × 40mm (H)
Weight	370g

INTERFACE

1 —— Up
2 —— USB Interface
3 —— M / S
4 —— Down Interface
5 —— Aux2
6 —— Aux1

MICROPHONES

Smart Conference Speakerphone

SoundMatrix (A10 / A10W)

360° Omnidirectional Pickup | 10m Pickup Range | AI-Assisted Noise Reduction | Intelligent Dual-speaker | Hi-Fi

The A10&A10W is designed specifically for corporate meetings. It features advanced AI audio algorithms that eradicate echo, background noise, and voice reverberation, ensuring clear sound for seamless voice calls. It supports USB wired and wireless connections, plug-and-play. The main microphone can also pair with two extra extension microphones to cover the entire room.

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FEATURES

▼ PLUG AND PLAY + HIGH COMPATIBILITY
A10: Connects directly to the conference host via a USB 2.0 data cable, no drivers needed, plug and play.
A10W: A USB dongle connects to the conference host for instant use without pairing. It employs 2.4GHz full-duplex wireless communication between the main microphone and host, integrating frequency-hopping algorithms and signal synchronization to ensure stable real-time transmission of bidirectional audio signals.

▼ LONG RANGE OMNIDIRECTIONAL PICKUP
The main microphone features four high SNR digital microphone arrays for 360-degree omnidirectional sound pickup. Its pickup range is 3 meters and can be expanded with two extension microphones, extending it to 10m.

▼ AI-ASSISTED AUDIO ALGORITHM
The microphone uses AI technology for noise reduction, echo cancellation, and reverberation suppression, ensuring clear sound quality during remote meetings and mimicking face-to-face conversations.

▼ CONSISTENT VOLUME
With an automatic gain control algorithm, the speakerphone adjusts volume levels based on the speaker's voice, ensuring stable and consistent pickup without volume fluctuations that could impact communication efficiency.

▼ ULTRA-HIGH FIDELITY
Featuring high and low-frequency speakers and a resonance chamber design, it delivers deep bass, rich midrange, and clear treble, reproducing lifelike human voices.

▼ LEADING DOMESTIC TECHNOLOGY
Hardware localization rate exceeds 98%, with audio algorithms achieving top-three rankings globally in prestigious competitions like Interspeech, IEEE L3DAS21, and ICASSP2022 AEC Challenge.

▼ ONE-TOUCH CONFERENCE CONTROL
Supports conference operations directly on the microphone, such as call answer/end, volume+/-, mute, etc., making conference control more convenient.

▼ BUSINESS STYLING
Made with an aluminum alloy casing for a high-quality look and feel. Includes wire management grooves and non-slip foot pads at the bottom for stable installation, perfect for different business meeting settings.

Remark:
1. This feature is supported only by A10W.

SPECIFICATIONS

▼ DIFFERENCE	A10	A10W
Connection Method	USB2.0	USB2.0; 2.4G Wireless Connection, Max Transmission Range: 15m

▼ CONFERENCE CAPABILITY

Coverage Area for Sound Pickup	20-100 ㎡
Number of Participants	6-20 People

▼ MICROPHONE SPECIFICATIONS

Microphone Type	High Signal-to-Noise Ratio Digital Silicon Microphone
Microphone Array	Built-in 6(4+2) MEMS Microphones
Pickup Range	360° Omnidirectional Pickup
Pickup Distance	3m optimum pickup range, 10m effective pickup range
Sampling Rate	32 KHz HD Wideband Audio
Frequency Response	50Hz ~ 16kHz
Signal-to-noise Ratio	68 dB(A)
Sensitivity	94 dB SPL @ 1 kHz , -35 dBFS

▼ SPEAKER SPECIFICATIONS

Speaker Type	Dual-frequency division design, professional academic sound chamber structure, top-tier sound tuning
Rated output power	15W
Effective frequency range	50Hz ~ 20kHz
Volume	89dBA @ 1m
THD	< 3%

▼ SOUND QUALITY

Noise Suppression	Supports AI noise reduction, de-reverberation, AI automatic gain control, echo suppression algorithms, and full-duplex processing capabilities

▼ WIRELESS TECHNOLOGY[1]

Wireless Communication	2.4GHz wireless communication, 48K sampling rate
Wireless Transmission Distance	Up to 15 meters (tested in office environment), Operating Frequency: 50Hz / 60Hz

▼ HARDWARE INTERFACES

|	
Power Supply	Operating Voltage: AC 100V ~ 240V, DC 12V Operating Frequency: 50Hz / 60Hz
Supported Systems	Windows / Mac / Android / Linux
USB Interface	USB 2.0 Type-C / Type-A: (1 * computer interface, used for connecting PC and other devices for audio input/output); UAC 1.0 (2 * extension microphone interfaces, used for connecting extension microphones)
Indicators	Circular indicator light strip, various color combinations, easy to identify the current status of the microphone
Buttons	Touch-sensitive buttons (volume+, volume-, mute, hang up, dial)

▼ GENERAL SPECIFICATION

Bare Machine Dimensions	Master microphone:150mm (L) × 150mm (W) × 85mm (H) Expand microphone:80mm (L) × 80mm (W) × 25mm (H) Wireless Adapter: 93mm (L) × 28mm (W) × 13mm (H)
Packaging Dimensions	297 × 248 × 125mm
Bare Machine Weight	Master microphone:1.24 kg Expand microphone:0.13 kg × 2 Wireless Adapter: 0.038g
Total Weight	2.35 kg
Environmental Conditions	Temperature: 0°C ~ 40°C (Operating), -40°C ~ 60°C (Non-operating) Relative Humidity: 45% ~ 90% (Operating), 30% ~ 90% (Non-operating)

INTERFACE

1 ——	Expand Mic Interface
2 ——	Power Jack
3 ——	USB Interface
4 ——	Expand Mic Interface
5 ——	Expand Mic Interface

1 2 3 4

5
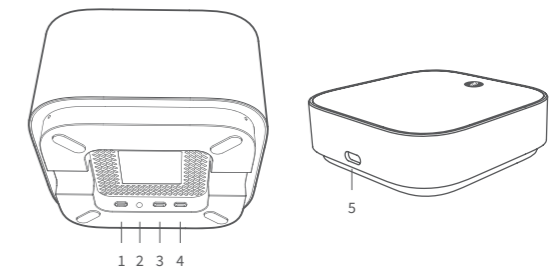
MICROPHONES

Omnidirectional Bluetooth Speakerphone

M300

Omnidirectional Pickup | 3m pickup distance | Full Duplex Audio | Bluetooth5.0 | Reverse charging

M300 is a portable USB omnidirectional microphone designed specifically for small conference rooms, individual offices of business professionals and mobile meetings during business trips. It can quickly connect to computers and smartphones via Bluetooth or USB, its built-in intelligent noise reduction algorithm effortlessly blocks environmental noise, allowing for easy and smooth meetings anytime, anywhere.

FEATURES

▼ PLUG-AND-PLAY
The microphone can be quickly connected to computers and smartphones via Bluetooth or USB without the need for drivers or manual configuration. It is ready to use as soon as it's plugged in, making it convenient for meetings while on business trips.

▼ INTELLIGENT CONNECTIVITY
The microphone can be paired with two external devices via Bluetooth. It can also simultaneously handle mixed meetings with devices connected via Bluetooth and USB.

▼ 360° OMNIDIRECTIONAL PICKUP
It features a built-in circular array consisting of four groups of high signal-to-noise ratio microphones, enabling 360° omnidirectional audio pickup that covers conference room spaces of 15-30 square meters.

▼ 5m EFFECTIVE PICKUP RANGE
Equipped with full-duplex audio technology, as well as noise reduction, echo cancellation and automatic gain algorithms, the microphone ensures clearer audio pickup and balanced volume levels.

▼ BLUETOOTH 5.0 TRANSMISSION
Compared to Bluetooth 4.0, Bluetooth 5.0 offers twice the transmission speed and four times the transmission distance, achieving high-quality audio signal transmission.

▼ LARGE BATTERY CAPACITY
It has a built-in 6500mAh high-capacity battery for longer battery life.

▼ SUPPORT FOR REVERSE CHARGING
It supports emergency reverse charging of devices such as smartphones via USB, with multiple circuit protections for enhanced safety.

▼ BAR-SHAPED INDICATOR LIGHTS
It is equipped with a bar-shaped RGB indicator light that uses various colors to display the current battery level, volume, incoming calls, mute status and other working states, making it easy for users to identify the device's status.

SPECIFICATIONS

▼ CONFERENCE ABILITY

Covered Area	150-300 sqf
Participants	6-12 People

▼ AUDIO FEATURES

Audio Feature	32K Sampling Rate, High-definition Broadband Audio, Full-duplex Voice
USB Protocol	UAC 2.0
Echo Cancellation	Support
Noise Suppression	Support
Automaticgain Control	Support

▼ INTERFACE

Wireless	Built-in Bluetooth 5.0; Support AVRCP, A2DP, HFP and SBC codec standard protocol
USB	USB data communication, audio input/call
Audio Interface	AUX output, connect the speakers using a 3.5mm audio cable for music playback
Power Jack	Input: M300 device is powered by an external power source through the USB Type-C port. Output: M300 charges external devices such as smartphones through the USB Type-A port.
Button	Tactile button (with LED indicator for mute)

▼ GENERAL SPECIFICATION

Battery	Battery specification: 6500mAh Full charge time: 4 hours (5V/2A) Maximum charging current: 2A Call duration: 24 hours
Dimension	124m (W) × 124mm (D) × 32mm (H)
Weight	0.32 kg
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40°C ~ 60°C

▼ MICROPHONE

|	
Microphone Type	Omnidirectional microphone
Microphone Array	Internal four microphones forming acirular array
Pickup Distance	3m
Frequency Response	100Hz~8kHz
Signal-to-noise Ratio	65dB

▼ SPEAKERPHONE

Speakerphone Type	Full-range speaker
Sensitivity	0.5m 88 dB SPL
Power Consumption	Maximum Output Power: 5W Effective Power: 3W
Frequency Range	Call Mode: 150Hz ~ 8kHz; Music Mode: 20Hz ~ 20kHz
Volume	84dBA (1m)

INTERFACE

1 —— USB
2 —— AUX OUT
3 —— Power Jack
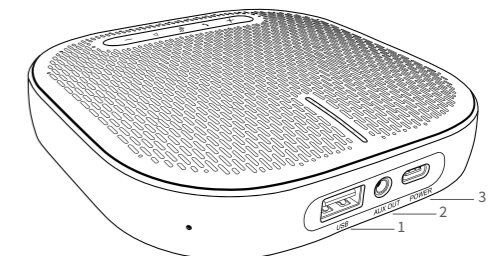
MICROPHONES

Extend Microphone

RM10

360° omnidirectional pickup

6m Pickup distance

Small and Convenient

RM10 is a portable and compact extension microphone designed for business professionals in personal offices, travel meetings, and other on-the-go scenarios.

SPECIFICATIONS

▼ CONFERENCE ABILITY

Covered Area	150-300 sqf
Participants	5~8 People

▼ HARDWARE INTERFACE

Power	USB: 5V DC
Interface	USB ×1
Button	Glowing silent button ×1
Cable	5m

▼ PRODUCT COMPONENT

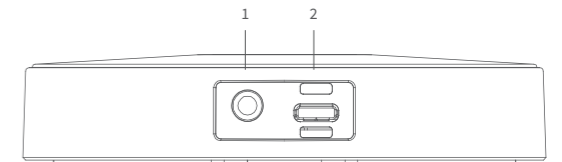|	
Dimension	48mm × 20mm (Φ100mm×20mm)
Weight	0.15kg
Product List	Extend Microphone, USB cable, User's manual

▼ GENERAL SPECIFICATION

Operating Temperature	0° - 40° C
Humidity	5% - 95% (Condensation free)
Storage Temperature	-20° - +70° C

▼ MICROPHONE

Pickup Distance	6m
Frequency Response	100-10kHz
Pickup Range	360° Omnidirectional sound pickup
Sensitivity	- 40.5 dB (V/Pa)
Signal-to-noise Ratio	64dBA
Total Harmonic Distortion	10% (1kHz, 120dB SPL)
Compatibility	Compatible with popular operating systems, Windows XP/Vista/7/8/10/Linux/Android

INTERFACE

1 —— USB
2 —— AUX

FEATURES

▼ COMPACT AND LIGHTWEIGHT, EASY TO CARRY

RM10 has a diameter of only 10cm, making it very small and convenient to carry in your pocket for on-the-go use.

▼ SIMPLE AND EASY CONNECTION, PLUG AND PLAY

It uses a USB connection, allowing you to directly connect it to a computer, tablet, or video conferencing terminal without the need for drivers. It is compatible with various operating systems and software, suitable for daily applications.

▼ 360° OMNIDIRECTIONAL PICKUP

RM10 adopts a circular microphone array design, enabling 360° omnidirectional pickup within a radius of 6m. With a 5m USB cable, it can cover the pickup needs of the entire meeting room.

▼ INTELLIGENT NOISE REDUCTION

It is equipped with built-in intelligent noise reduction algorithms, providing strong anti-interference capability and delivering clear, natural and balanced sound quality, ensuring a high-quality voice communication experience.

MICROPHONES

Ceiling Contactless Voice Amplifier Microphone

RM80

Hands-free Contactless | **Long Pickup Distance** | **Howling Suppression** | **Voice Fence** | **Self-adaptive Debugging-free**

Designed specifically for the amplification needs of regular classrooms, it consists of an RM80 invisible amplification microphone and a set of digital powered speakers, making installation and deployment simple. The microphone incorporates audio processing algorithms, eliminating the need for additional audio processing equipment, to deliver clear and natural sound quality evenly distributed throughout the classroom. Teachers do not need to carry or adjust any sound pickup devices, allowing them to focus on teaching. Students can easily hear the lecture clearly from any position in the classroom, facilitating learning.

SPECIFICATIONS

▼ MICROPHONE

Microphone Type	Build In Two Digital Microphone Arrays
Sensitivity	-38 dBFS
Signal-to-noise Ratio	65 dB(A)

▼ HARDWARE INTERFACE

Audio Output	2x 3.5mm Spk-Out Linear output
Audio Input	1x 3.5mm Line-In interface
USB	Supports software upgrades and parameter configuration

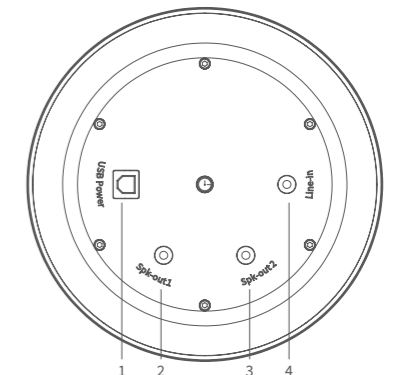### ▼ AUDIO FEATURES

Frequency Response	100Hz - 8kHz
Sampling Rate	16K samples , High definition wideband audio
Pickup Distance	3m Clear Pickup (Cardioid pickup)
Beam Forming	Adaptive Beam
Automatic Feedback Suppression	Support
Automatic Noise Suppression	Support
Automatic Gain Control	Support
Automatic Reverberation Suppression	Support

▼ GENERAL SPECIFICATION

Power	USB 5V Power
Dimension	Φ 155.9mm x H 38.2mm

FEATURES

▼ CONTACTLESS USE, FREE YOUR HANDS
No need to hold or wear sound pickup equipment, and no need to charge and maintain. Equipped with an infrared remote control, one-click controls the switch and adjusts the volume, freeing your hands and using it more contactless.

▼ LONG-DISTANCE SOUND PICKUP, FREE MOVEMENT
The microphone has seven built-in digital microphone arrays, which can achieve effective sound pickup in an 8-meter radius towards its directional area (3 meters or optimal sound pickup), automatically shielding noise interference outside the area.

▼ CLEAR SOUND PICKUP AND COMFORTABLE LISTENING EXPERIENCE
Built-in audio processor, equipped with environment adaptive algorithm, howling suppression, automatic gain algorithm, etc. Automatically eliminate noise and dereverberation, 18ms ultra-low latency, and more comfortable listening.

▼ VOICE FENCE ALGORITHM,ISOLATE NOISE INTERFERENCE
Developed a noise barrier system to isolate interference. Microphones are capable of forming virtual walls at pre-set boundaries of the designated sound pick-up area, capturing sounds within the wall while blocking out external interference. The suppression of external interference exceeds 30dB, with an effective working distance of 2m (optimal performance typically within 1m).

▼ HEALTHY SOUND AMPLIFICATION, BETTER THAN THE NATIONAL STANDARD
Paired with digital active speakers, the amplification volume is 6dB higher than the national amplification standard (increased by 8dB). Complying with the national healthy acoustic environment standards, it can provide clear and balanced sound amplification anywhere in the classroom.

▼ SIMPLE DEPLOYMENT AND EASY MAINTENANCE
The microphone wiring is simple, powered by a USB cable, used by connecting the 3.5mm audio cable to the speaker. No complex wiring installation, and no debugging is needed, which saves labor costs.

INTERFACE

1 —— USB Power
2 —— Spk-out
3 —— Spk-out
4 —— LINE IN

Video Conferencing PC

RoomPartner / RoomPartner Pro (RP1 / RP1S)

Windows Intel Core CPU Software Pre-install Multi-Interface Dual-screen Display

RP1/RP1S is a video conferencing hub designed exclusively for enterprise remote communication and collaboration. With its compact form factor, it serves as a space-efficient alternative to traditional desktop PCs, ensuring it doesn't occupy excessive meeting space. Running on the Windows operating system and powered by a high-performance Intel Core processor, with 16GB of RAM and 128GB of storage, it delivers stable, high-speed audio and video encoding capabilities, providing secure and reliable video conferencing services for small, medium, and large meeting scenarios.

▼ DIFFERENCE	RP1	RP1S
CPU	8th Gen Intel® Core™ i5-8259U, 2.3 GHz (3.8GHz)	11th Gen Intel® Core™ i5-11300H, 3.1 GHz （4.4GHz)
GPU	Intel® Iris® Plus Graphics	Intel® Iris® Xe Graphics
RAM	16GB	2*8GB (Dual channel)
Network	Intel® 10M/100M/1000M Adaptive	Intel® 10M/100M/1000M Adaptive Realtek® 10M/100M/1000M Adaptive(POE)
BT	Bluetooth 5.2	Bluetooth 4.2
PoE	-	Support
Multi-screen display	Dual-Screen	Triple-Screen
HDMI	HDMI Out×2 (HDMI1.4b×2),VGA×1 (D-Sub×1)	HDMI In×2 (HDMI2.0×1,HDMI1.4b×1) HDMI Out×3 (HDMI2.0×3)
Audio	3.5mm Phone Jack×1 (Two-in-one interface)	3.5mm Phone Jack In×1 3.5mm Phone Jack Out×1
USB	USB3.0×4; Type-C×1	USB3.0×3; USB2.0×1; Type-C×1
Dimension	130mm (W) × 126mm (D) × 51mm (H)	225mm (W) x 142mm (D) x 40mm (H)
Weight	450g	800g

RP1

RP1S

▼ SYSTEM	
OS	Windows 10
Storage	SATA/PCIe SSD, 128GB
Auto Power On	Support

▼ WIRELESS	
Wireless	Intel® Wi-Fi5 (802.11ac), 2.4/5GHz
LAN	Intel® 10M/100M/1000M Adaptive

▼ CONFERENCING SOFTWARE	
Software (Optional)	Zoom Rooms VooV Meeting Rooms Lark Rooms

▼ OTHER INTERFACE	
Input Voltage	DC 19V
Input Current	3.42A
Operating Temperature	0°C - 40°C
Storage Temperature	-20°C - 60°C
Power Consumption	65W
MTBF	>30000h

FEATURES

▼ EXCEPTIONAL PERFORMANCE
Powered by Intel Core chips, our robust computing power guarantees a more stable operation of the cloud video conferencing system, capable of withstanding extended meetings.

▼ AUTO POWER-ON
Once connected to the power source, the video conferencing hub automatically starts up, eliminating the need to press the power button and ensuring a smoother meeting experience.

▼ MULTI-SCREEN DISPLAY
Supporting up to 3 HDMI outputs (2 for RP1), you can effortlessly connect to commercial displays and monitors for extended screen display. This allows you to not only show meeting content but also easily share documents.

▼ COMPACT DESIGN
The compact form factor of the hub allows for easy portability and can be placed on a desktop or discreetly mounted behind a monitor, helping to keep your meeting room neat and organized.

▼ ABUNDANT INTERFACES
Featuring HDMI, USB, LAN, PoE, Audio, and more interfaces, it can seamlessly connect to commercial displays, monitors, microphones, and other devices, catering to a wide range of meeting scenarios.

▼ PRE-INSTALLED SOFTWARE
You have the option to pre-install leading cloud video conferencing software like VooV Meeting Rooms, Lark Meeting Rooms, Zoom Rooms, and more. Just log in to your account, and you're ready to use them.

RP1:
1 —— POWER
2 —— 3.5mm AUDIO
3 —— USB-A 3.0
4 —— USB-C
5 —— DC 19V
6 —— LAN
7 —— HDMI OUT
8 —— USB-A 3.0

RP1S:
1 —— DC 19V
2 —— USB-C
3 —— HDMI OUT
4 —— HDMI IN
5 —— LAN
6 —— PoE
7 —— USB-A
8 —— LINE OUT
9 —— LINE IN
10 —— POWER

RP1:
RP1S:

Video Conferencing Terminal

RP3

- **Android 12.0**
- **Flagship-grade CPU**
- **Dual-screen Display**
- **Multiple Interfaces**
- **Pre-installed Rooms Client**
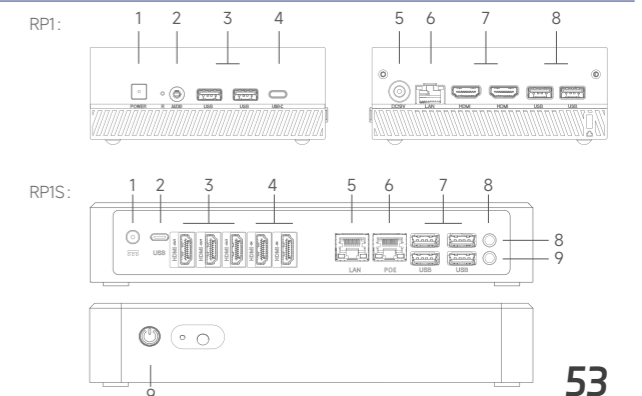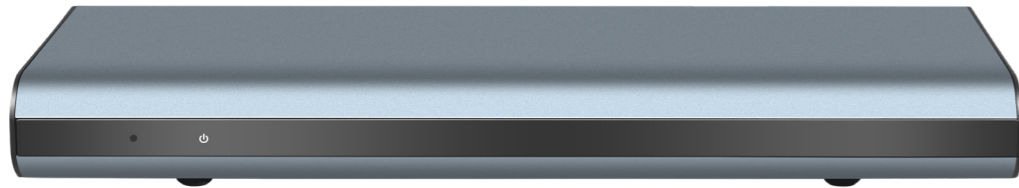
The RP3 is an Android-based conferencing host for meetings, remote collaboration, and learning scenarios. The lightweight design and flexible deployment make it ideal for various settings. Powered by a processor and running on Android 12, RP3 integrates with ZOOM Rooms. With Strong audio and video decoding capability, the terminal provides a safer and smoother operating environment.

▼ HARDWARE

Processor	Octa-core 64-bit SoC processor
	Quad-core Cortex-A76+ Quad-core Cortex-A55
	Clock speed: 2.2GHz, AI acceleration NPU computing power: 6Tops
Display	Built-in quad-core graphics processor: ARM Mali-G610 MP4
	Supports dual-channel 1080p@30fps H.264/H.265 video encoding and decoding
	Supports up to 4K@60fps video output
Memory	LPDDR4-2133,4GB
Storage	EMMC5.1,16GB
Power Button	Touch power button with LED indicator
Controller	Standard infrared remote control, supports expandable room controllers
Multi-screen Output	Dual-screen dual-display
Screen Casting Method	Supports HDMI wired screen casting and wireless screen casting for conferencing
Audio Processing Capability	AEC, AGC, ANS

▼ I/O

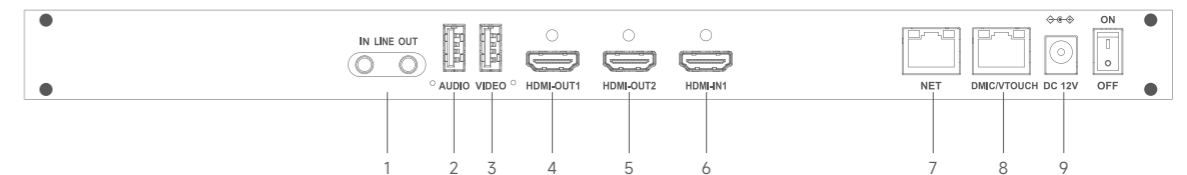|	
Video Input	Video(USB 3.0)x 1,HDMI 2.0 x 1
Video Output	HDMI 2.0 x 2
Audio Input	Audio(USB 3.0)x 1,3.5mm Phone Jack x 1,HDMI 2.0 x 1,D-MIC x 1
Audio Output	3.5mm Phone Jack x 1,HDMI x 2
USB	USB 3.0 Type-A x 3
Ethernet	RJ45 x 1
Digital Microphone Interface	RJ45 x 1(PoE+/25W)(To be upgraded)
Control Interface	RJ45 x 1 (Conference room controller, repurposed D-MIC interface, PoE)
Power	5.5/2.1mm DC Jack x1

▼ NETWORK

Ethernet	10M/100M/1000M auto-negotiation
Storage	Wi-Fi6 (IEEE802.11ax),2.4/5GHz
	Bluetooth 5.3

▼ SOFTWARE

OS	Android 12.0
Pre-installed Software	Pre-installed Zoom Rooms Client

▼ GENERAL SPECIFICATIONS

Input Voltage	DC 12V (Power adapter input: 100~240V 50/60Hz)
Input Current	2.0A
Operating Temperature	0℃ ~ 40℃
Storage temperature	-40℃ ~ 70℃
Power Consumption	24W
MTBF	>30000h
Host Dimensions	348mm (W) x 148mm (D) x 37mm (H)
Packaging Dimensions	413mm (W) x 334mm (D) x 126mm (H)
Product Net Weight	1.4kg
Packaging Weight	2.2kg

FEATURES

▼ FLAGSHIP-GRADE CPU
Equipped with an 8-core 64-bit CPU, a 4-core GPU, and a 6TOPs AI NPU, the RP3 delivers robust hardware encoding and decoding for audio and video. Powerful digital audio and video processing ensures a stable and smooth collaborative meeting experience.

▼ INPUT TWO VIDEO STREAMS SIMULTANEOUSLY
Supports simultaneous USB primary video and HDMI secondary stream input, ideal for wired screen mirroring and specialized dual video stream capture scenarios, enhancing meeting flexibility.

▼ DUAL-SCREEN DISPLAY
Supports two 4K@60fps video signal output channels, enabling synchronous presentation of meeting scenes and shared documents/videos/images, enhancing meeting efficiency.

▼ 3A AUDIO PROCESSING
The RP3 features built-in AGC, AEC, ANC, and other audio algorithms, providing full-duplex intelligent audio processing services for audio peripherals and clearer and more natural sound.

▼ CUSTOMIZATION AND INTEGRATION
Equipped with an Android 12 system optimized for video applications and integrated with Zoom Rooms SDK, it provides a smooth conferencing experience.

▼ MULTIPLE INTERFACES
Supports USB 3.0, DMIC/Touch, PoE, and other expansion interfaces, enabling PoE connection to conference control tablets or cascading microphones and more.

1 —— LINE IN/OUT	4 —— HDMI-OUT1	7 —— NET
2 —— AUDIO	5 —— HDMI-OUT2	8 —— DMIC/VTOUCH
3 —— VIDEO	6 —— HDMI-IN1	9 —— DC

Rooms Controller

RT10

Android | 10.1" | IPS Touch Screen | PoE-Powered | Software Pre-install
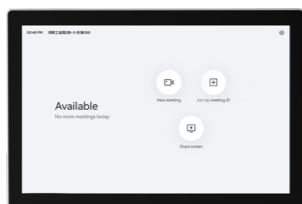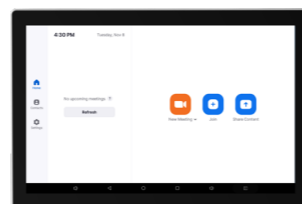
A remote meeting controller designed exclusively for enterprise video conferencing management. Preloaded with popular video conferencing software controls, simply pair it to initiate, join, manage, and conclude meetings, along with screen sharing and more. No more need for constant device handling – it significantly enhances meeting efficiency.
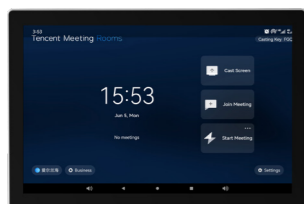
VooV Meeting Rooms

Lark Rooms

Zoom Rooms

▼ HARDWARE PLATFORM

Operating System	Android 9.0
CPU	Amlogic A311d, 4xCortex-A73+2xCoretex-A53
GPU	ARM G52 MP4(6EE),OpenGL ES 3.2, Vulkan 1.1 , OpenCL 2.0
Storage	4G RAM+16GB ROM
Codec	**Encoder:**H.264/H.265 1 x 1080P@60fps **Decoder:** VP9 Profile-2 up to 4Kx2K@60fps H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps AVS2-P2 Profile up to 4Kx2K@60fps H.264 AVC HP@L5.1 up to 4Kx2K@30fps H.264 MVC up to 1080P@60fps
Wi-Fi	IEEE802.11a/b/g/n/ac,WPA,WPA2
Bluetooth	BT 5.0

▼ VIDEO SPECIFICATIONS AND FEATURES

Touch Screen	10.1-inch IPS touch screen,Multi-Touch
	Resolution: 1920×1200 (1280×800 optional)
	Visual Angle: 170 degrees
	Brightness: 300cd/㎡(typ)

▼ INTERFACES

USB Interface	1 x USB2.0 Type-C (device) ; 1x USB 2.0 Type-A
Network Interface	1 x RJ45: 10/100/1000 Base-T 1 x 2.4G/5G WiFi5

▼ PHYSICAL CHARACTERISTICS

Dimensions	243mm (W) × 164mm (D) × 33mm (H)
WIFI Frequency	2.4G&5G Dual frequency
Micphone	Pickup range of 2 meters
Speaker	1 × 1.5W
Environmental Specification	**Operating temperature:** 0°C to 40°C **Operating humidity:** 10% to 80% **Non-Operating temperature:** -40° to -70°C **Non-Operating humidity (non-condensing):** 0% to 95%
Approval and Compliance	CQC RoHS

1 —— Power Jack
2 —— LAN (PoE Support)
3 —— LOCK
4 —— USB 2.0

1 2 3 4

FEATURES

▼ ANDROID TOUCHSCREEN DISPLAY
With the Android operating system, it's easy to get started. Featuring a spacious 10.1-inch capacitive touchscreen that supports multi-touch, providing a convenient and smooth user experience.

▼ ONE-CLICK MEETING CONTROL
Pre-installed with popular meeting applications like Zoom,VooV Meeting, Lark, and more, making it a breeze to manage your video conferences with just one click.

▼ ADJUSTABLE VIEWING ANGLE
Equipped with a built-in multi-angle adjustable stand, ensuring a clear view of the screen from various seating positions.

▼ VERSATILE POWER OPTIONS
Easily power the device through USB and PoE interfaces for added convenience.

Rooms Controller

RT13

The RT13 is a schedule panel designed specifically for enterprise conference room management. It displays real-time information about room usage and meeting details through screens and LED strips, enhancing conference room utilization efficiency.

10.1" Screen | **IPS Touch Screen** | **PoE** | **Conference Schedule** | **Software Pre-install**

Current Usage

Free Time

▼ DISPLAY

Screen	10.1-inch, IPS
Screen Type	IPS Multi-touch Display
Resolution	1920 x 1200
Display Luminance	300 cd/m2 (typ)
Display Ratio	16:10
Viewing Angle	170°

▼ HARDWARE

CPU	hexa-core, 4 x Cortex A73 + 2 x Coretex A53
Memory	4GB
Storage	16GB
Image Processor	ARM G52 MP4
OS	Android 9.0
Speaker	1 × 1.2W
Microphone	Built-in
Status Light Strip	Built-in Dual-Side Indicator Light Strip

▼ SOFTWARE

Pre-installed Software (choose one)	DingTalk Intelligent Conference Room APK (to be upgraded) Feishu Meeting Room Check-in Board APK Zoom Rooms Controller APK

▼ MULTIMEDIA

Video Coding Format	H.264/H.265, Supports up to 1080P60
Video Decoding Format	VP9 / H.265 /H.264 /AVS2-P2, Supports up to 4Kx2K@60fps
Picture Format	JPEG, JPG, PNG, BMP and other common formats

▼ NETWORK

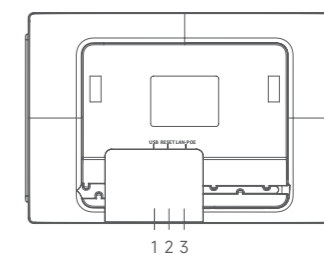|	
WIFI	IEEE802.11a/b/g/n/ac, WPA, WPA2
Ethernet	10/100 MBaseT
Bluetooth	BT5.0
PoE	Support

▼ I/O

USB	1 x USB2.0 Type-C (Supports power supply and data transmission)
RJ45	1 x RJ45 (PoE): 10/100 Base-T

▼ GENERAL SPECIFICATIONS

Input Voltage	DC 5V / PoE (802.3af)
Input Current	3.0A
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Working Humidity	10% ~ 80%
Storage Humidity	0% ~ 95%
Power Consumption	12W
MTBF	>30000Hours
Dimension	242mm (W) × 162mm (D) × 29mm (H)
Net Weight	800g

FEATURES

▼ FULL HD TOUCHSCREEN
Experience a crystal-clear display and smooth operation with the 10.1-inch IPS Full HD touchscreen powered by a hexa-core processor.

▼ MEETING STATUS INDICATION
The dual-sided tricolor LED strips allow real-time synchronization to display the status of conference rooms as available, reserved, or occupied. With those indications, users can quickly confirm room status from a distance.

▼ REMOTE POWER SUPPLY AND MANAGEMENT
The device supports PoE and network connectivity, simplifying the wiring.

▼ HIGH COMPATIBILITY
Users can select pre-installed apps like DingTalk Smart Conference Room, Feishu Meeting Room Check-in Board, Zoom Rooms Controller, etc. These apps seamlessly integrate with video meeting management platforms, enhancing meeting efficiency.

▼ DIVERSE INSTALLATION OPTIONS
The camera features standard VESA hole positions for installation on various surfaces such as walls, glass, doors, and window frames. Equipped with a back panel with cable management functionality, it supports horizontal and vertical screen installation.

1 —— USB
2 —— RESET
3 —— LAN-PoE

1 2 3

Hi-Fi Speaker

S22

- **Detachable design**
- **Powerful Speaker**
- **Hi-Fi**
- **Multiple Mounting Options**

S22 is a sound column active speaker tailored for medium to large conference room settings. Compact in design, it supports modular and separable deployment, comes with an inbuilt high-power digital amplifier, and boasts high amplification gain to effectively cover the entire venue. The two-way frequency division design for treble and bass guarantees clear and full sound quality, authentically reproducing the conference's original audio.

SPECIFICATIONS

▼ SPEAKER

Rated Output Power	(10W + 15W) x 2 (+/- 0.5 dB, 10% THD)
Speaker Impedance	4Ω
Frequency Response	110Hz - 16kHz / ±3 dB
Loudness	50dB SPL @ 1W, 95dB SPL @ 7.5W
Signal-to-noise Ratio	≥65dB
Total Harmonic Distortion	300Hz – 10kHz < 1% @ 7.5W

▼ GENERAL SPECIFICATION

Input Voltage	DC 18V
Input Current	2A
Operating Temperature	-10℃ ~ 40℃
Storage Temperature	-40℃ ~ 60℃
Power Consumption	30W
MTBF	>30000H
Main Unit	408.5mm (W) × 73mm (D) × 90mm (H)
Secondary Unit	402.5mm (W) × 73mm (D) × 90mm (H)
Dimension	805mm (W) × 73mm (D) × 90mm (H)
Weight	1.5kg
Product Certification	CE, GS, CB, FCC, ETL, SAA, RCM, PSE

▼ INTERFACE

Audio Input	1x Line In, 3.5mm Audio Interface
RCA	1x RCA, Dual Channel, (Connect the sub-speaker)
Power	DC 18V

▼ INSTALLATION MODE

Installation Methods	Wall-mounted, Desktop placement
Combined Mode	Separate main and auxiliary units, Integrated main and auxiliary units

FEATURES

▼ AUTHENTIC SOUND REPLICATION

Featuring a two-way frequency division with a tweeter (10W) and a woofer (15W), coupled with low-distortion amplifiers tuned by audio experts, it covers the full sound spectrum. The sound is rich with deep bass, full midrange, and clear highs, ensuring that participants hear the most authentic sounds.

▼ PROFESSIONAL ACOUSTIC DESIGN

The columnar enclosure is compact and space-efficient, breaking away from conventional designs, reducing enclosure vibration, and effectively minimizing noise and distortion.

▼ HIGH VOLUME, FULL COVERAGE

Equipped with a high-performance digital amplifier, it delivers 50W of rated sound reinforcement power, enabling large volume coverage for conference spaces up to 120 square meters, packing powerful output in a small package.

▼ FLEXIBLE AND CONVENIENT

Deployment The active design eliminates the need for an external amplifier, requiring just one audio cable to connect to the conference host for quick setup. Its detachable design allows for separate or unified deployment. With support for tabletop placement or wall mounting, it meets diverse installation needs in various conference room scenarios.

INTERFACE

1 —— DC IN
2 —— AUX
3 —— RCA, Connect the sub-speaker
4 —— RCA, Connect the main-speaker

Main-speaker   Sub-speaker