

ROCWARE®
www.rocware.com

4K All-in-One USB Video Bar^(MeetingWindow)

RC10



4K 30FPS



121° Wide Angle Lens



Smart Gallery



Group Framing



Speaker Tracking

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

Simplified Wiring



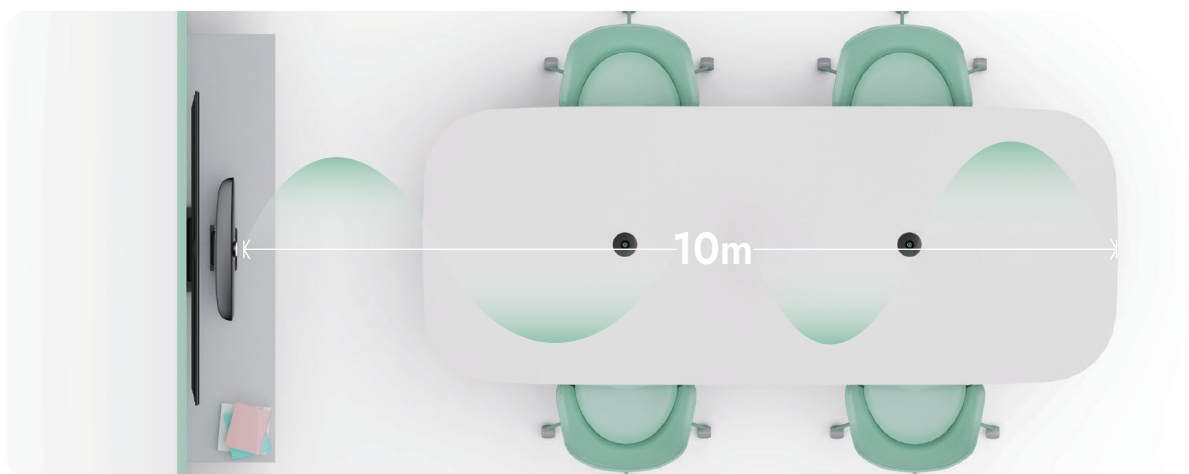
The device integrates a UHD camera, beamforming microphone, and full-range speaker, reducing the wiring. Connect one power cable and USB cable to the conference host to complete the setup.

121° Wide Angle Lens



Featuring a 1/2.5" 4K CMOS sensor, a 121° ultra-wide-angle lens, and a PTZ of $\pm 15^\circ$, it captures a broader view.

Internal and External Microphone



Equipped with four microphone arrays, beamforming, and audio 3A algorithms, the RC10 achieves a pickup distance of 6m. It supports cascading 1-2 omnidirectional microphones (RM702) via PoE and provides a pickup range of 10m.

Smart Gallery



Featuring recognition algorithms that include head, face, and body detection, the RC10 identifies participants' number and position changes. It automatically adjusts the camera and the multi-split screen layout for optimal framing.

Sound Localization



With sound localization algorithms, it identifies the speaker's position. When someone speaks, the camera automatically focuses on the speaker's voice and shows their close-ups. If there is no speech for a while, it automatically returns to the panoramic view.

Multiple Interfaces



The device supports USB 3.0 and HDMI for streaming HD video, making it compatible with various applications. It also supports PSE interfaces for additional microphones, expanding the pickup range and accommodating a variety of meeting rooms.

RC10 Product Specification

▼ 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

▼ 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

▼ AUDIO FEATURE

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

▼ 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

▼ I/O INTERFACES

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

▼ GENERAL SPECIFICATION

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



Independent Research and Development

Localized Audio and Video Technology

For 17 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.



support@rocware.com

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 support, as well as various online and offline technical support and after-sales services to comprehensively ensure the user experience.

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