ALL-IN-ONE VIDEO BAR

4K BYOM Videobar

RB10Lite

All-in-One | 4K UHD | BYOM | PD Reverse Charge | 6 MEMS Array Microphones

The RB10Lite is an all-in-one videobar specifically designed for huddle rooms, ideation spaces, open areas, and more. It features a 4K camera, a six-microphone array, and a full-range speaker, and equipping with AI-Powered framing and noise cancellation algorithms. The RB10Lite supports “one-cable connection with USB-C” BYOM mode, providing a high-quality remote conferencing environment in the simplest way.



FEATURES

▼ ALL-IN-ONE DESIGN
The 4K camera, microphone, and speaker are integrated into a single unit. It supports various installation methods, enabling plug - and - play deployment in any meeting space.

▼ SINGLE-CABLE BYOM
It supports USB-C single-cable BYOM Mode, along with 4K local screen mirroring for flexible and efficient collaboration during meetings.

▼ MULTI-PURPOSE USB-C
The USB-C interface supports reverse PD charging and a 100Mbps network connection, integrating audio, video, power, and data. This minimizes cable clutter, simplifies power and network setups, keeps desktops tidy, and enhances the BYOM experience.

▼ ULTRA-HD VISION
A 4K ultra-HD camera featuring a 120° ultra-wide viewing angle offers a detailed view of the entire meeting space. An electric lens cover is included for privacy protection.

▼ AI-POWERED INTELLIGENT CAMERA TECHNOLOGY
Utilizing advanced AI video algorithms, it offers shooting modes like group framing, speaker framing. It automatically focuses on the speaker without any complicated operations, providing the best meeting view and improving communication focus.

▼ 6M PICKUP AND HIGH-FIDELITY REINFORCEMENT
Features a 6-element mic array with beamforming technology, supporting 6-meter voice pickup. The high-fidelity full-range speaker delivers crystal-clear audio with full-room coverage.

▼ AI-POWERED AUDIO 3A ALGORITHM
AI audio algorithms based on deep learning effectively eliminate echo, noise, and reverb, ensuring clear full-duplex audio conversations.

SPECIFICATIONS

▼ CAMERA SPEC

Video Resolution	4KP60, 4KP30, 1080P60, 1080P30, 720P60, 720P30
Sensor	1/2.8-inch CMOS with 8MP effective pixels
Optical Lens	DFOV 120° , HFOV 110°, VFOV 75°
Zoom	5X HD digital zoom
Privacy Cover	Built-in electric sliding type
Digital Noise Reduction	2D & 3D digital noise reduction
Signal-to-Noise Ratio	≥ 50dB
Backlight Compensation	Supported

▼ MICROPHONE

Type	6 omnidirectional MEMS microphone array with beamforming technology
Pickup Range	Effective pickup distance 6 meters

▼ SPEAKER

Driver Type	1* 1.5-inch full-range unit with dual-diaphragm sound cavity
Rated Power/Impedance	5W/4Ω (max power 8W)

▼ AI VIDEO FEATURES

Group Framing	Supported
Speaker Framing	Supported

▼ AI AUDIO FEATURES

AI Noise Cancellation (ANC)	Supported
AI Echo Cancellation (AEC)	Supported
AI Reverb Cancellation	Supported
Automatic Gain Control (AGC)	Supported

▼ INSTALLATION

Installation Methods	Integrated multi-function bracket, supporting desktop, wall-mounted, and TV top-mounted
Anti-theft Lock Jack	Supported

▼ USB FEATURES

Connection Type	USB 3.0, backward-compatible with USB 2.0
Color Space/ Compression	MJPEG / YUY2 / H.264
USB Audio Sampling Rate	48K
USB Audio Communication Protocol	UAC1.0
USB Video Communication Protocol	UVC1.1
UVC EPTZ Control	Supported

▼ I/O INTERFACES

USB Type-C	1 x USB 3.0, Type-A; 1 x USB 3.0, Type-C; supporting USB audio and video transmission and PD ALT mode, with reverse PD charging (up to 45W)
HDMI Out	1 x HDMI 2.0, with a maximum resolution of 4KP60
Network Port	1 x RJ45 10/100/1000 Base-T, supporting PoE (IEEE802.3at)
Power Interface	1 x USB Type-C (65W PD charging)

▼ SYSTEM COMPATIBILITY

OS Requirements Under BYOM Mode	Windows 10 or higher; Mac OS 10.0 or higher
Cloud Conferencing Software Compatibility Under BYOM Mode	Microsoft Teams, Zoom, BlueJeans, Google Meet, Cisco Webex, etc
Centralized Device Management System	Supported

▼ GENERAL SPECIFICATIONS

AC Power	Input: AC 100 - 240V 50/60Hz; Output: PD 20V/3.25A (MAX)
PoE Power Supply	IEEE802.3 at, 48V/0.5A
Operating/Storage Temperature	0℃ - 40℃ / - 40℃ - 60℃
Operating/Storage Humidity	10% - 95%
Dimension (L x H x D)	400 x 60 x 60 mm (excluding bracket)
Net Weight	0.9 kg
Certifications and standards	Certifications and Standards: CE, FCC, ROHS, Reach, WEEE

INTERFACE

1 —— LAN
2 —— USB-C
3 —— HDMI
4 —— POWER

