

4K All-in-One USB Video Bar

RB10

- 
20 Megapixel
- 
Micro-Movement PTZ
- 
AI-assisted shooting
- 
BYOD
- 
All-in-one

The RB10 is a USB video bar integrated device designed for small to medium-sized enterprise meeting spaces. It features a 4K ultra-high-definition camera, a digital microphone, and a full-range speaker in a three-in-one design that minimizes cabling. The video resolution reaches up to 20 megapixels, allowing remote participants to see a clear panoramic view and close-ups of individuals in the meeting room. With multiple AI video processing algorithms, it enables efficient and intelligent remote communication and collaboration without the need for manual intervention.



FEATURES

▼ ULTRA-HIGH-DEFINITION IMAGE QUALITY

Equipped with a high-quality UHD CMOS sensor of 1/1.8 inches and 20 million effective pixels, it can output 4K (3840x2160) ultra-high-definition resolution images and is backward compatible with resolutions such as 1080P and 720P.

▼ 120° ULTRA-WIDE FIELD OF VIEW

The lens supports a 120° wide field of view (105° horizontal field of view), with 5x digital zoom, clearly capturing every corner of the meeting room. It features a ±15° mechanical pan-tilt.

▼ GROUP FRAMING

Equipped with facial, human shape recognition, and intelligent framing algorithms, it can identify the number of participants and their positional changes, automatically moving the lens and adjusting the focus to achieve intelligent composition and optimal framing.

▼ SPEAKER TRACKING

The built-in sound source localization algorithm automatically directs the camera towards the speaker when someone is talking, presenting a close-up in the center of the screen, delivering a "face-to-face" communication experience.

▼ SMART GALLERY

Featuring AI algorithms for heads, faces, and human shapes, it can automatically switch to multi-split screen layouts based on the number of participants, extracting and evenly arranging close-ups of each participant. This allows remote attendees to clearly see everyone, making the communication in meetings more vivid and natural.

▼ BYOD & BYOM MEETINGS

Equipped with a built-in WiFi module, it supports participants using their familiar personal devices (such as laptops, smartphones, or tablets) to join meetings and access the integrated audio-video functions at any time. It also supports wireless screen mirroring from computers to the device, allowing for local or remote meeting screen sharing without the need for cables.

▼ CLEAR AUDIO CAPTURE UP TO 6M

The built-in beamforming microphone automatically locates the speaker's sound source and adjusts to precisely capture audio, ensuring consistent and balanced audio pickup. With audio 3A processing algorithms, the clear audio pickup range can reach up to 6 meters.

▼ POE CASCADED AUDIO CAPTURE (OPTIONAL)

Equipped with a POE-powered network port, it supports cascading three M702 array microphones, which can uniformly cover larger meeting room scenarios, providing each participant with equal and consistent audio pickup effects.

▼ FULL-RANGE STEREO SOUND

Integrates a full-range high-fidelity speaker, professionally tuned to effectively reduce sound interference, outputting rich bass, full midrange, and clear treble, with natural and authentic human voices.

SPECIFICATIONS

▼ CAMERA SPEC

Signal System	4KP30,1080P30,720P30 etc.
Sensor	1/1.8 inches, CMOS, Effective Pixels: 20 Megapixels
Lens	114° (DFOV), 105° (HFOV), 5x Digital zoom, Horizontal/pitch ±15°
PTZ	Mechanical PTZ (MPTZ) + e-PTZ (EPTZ)
Digital Noise Reduction	2D & 3D Digital Noise Reduction
SNR	≥ 55dB
Backlight Compensation	Support

▼ AUDIO SPEC

Full-frequency Speaker	96 dB SPL at 0.5 m
Microphone Array	Beamforming microphone with 6m pickup distance
Expansion MIC	Support (Optional)

▼ I/O

USB 3.0	1 × USB3.0, Type-C
HDMI	1 × HDMI
USB 2.0	1 × USB2.0, Type-A
Network Interface1	1 × RJ45: 10M/100M adaptive Ethernet (Optional)
Network Interface2	1 × RJ45: Connected to expansion mic, support POE
Power	1 × Power connector
Bluetooth	Bluetooth 5.3
WiFi	Wifi 6
Remote Controller	Support

▼ USB SPEC

Type of Connection	USB 3.0, downward compatible with USB 2.0
Color System / Compression	YUY2 / MJPEG
USB Audio	32K sampling rate, UAC 1.0 support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support(ePTZ)

▼ OTHERS

Installation Method	Support desktop placement, wallmounting and TV-mounting etc.
Supplied Cables	USB Cable
Safety Protection	Anti-theft lock

▼ GENERIC SPEC

Power Supply	DC 12V, 5A (MAX)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	600mm (W) × 135mm (D) × 117mm (H)
Net Weight	2.5 Kg

INTERFACE

- 1 — DC 12V
- 2 — USB 3.0
- 3 — USB 3.0
- 4 — HDMI
- 5 — EXT
- 6 — LAN

