CMP-BAR2

4K Dual-Lens PTZ Video Bar

Dual-Lens Integration, Simplify Meetings for Medium to Large Rooms



Dual-Lens

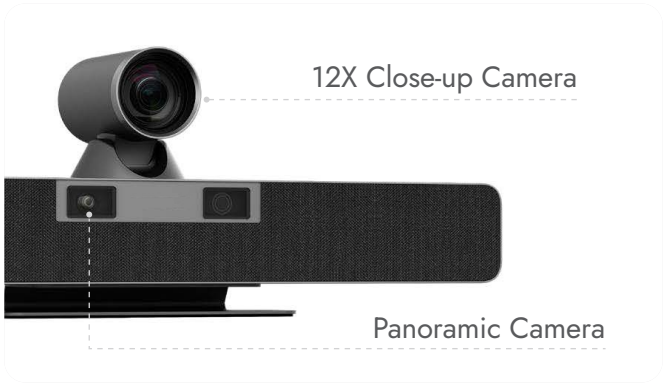
Mechanical PTZ

Presenter Tracking

Speaker Framing

Designed for medium-to-large meeting rooms, CMP-BAR2 integrates a 4K panoramic camera, close-up camera, digital microphone, and full-range speaker into a single unit , minimizing cabling and simplifying installation. Equipped with AI video processing algorithms, it dynamically tracks meeting participants, automatically adjusts framing, and captures panoramic and close-up views without manual intervention, delivering intelligent and seamless remote collaboration.

Dual-Lens Integration



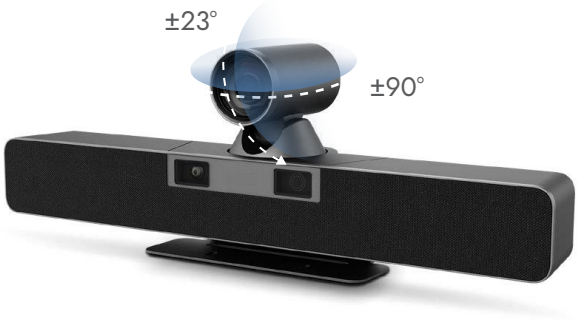


The CMP-BAR2 features a dual-lens design with a 120° wide-angle 4K lens for panoramic views and a 70° wide-angle 12x optical zoom for detailed close-ups. It also supports dual video with a picture-in-picture display, enhancing the meeting experience.

4K Ultra-HD Image



The close-up lens uses a high-quality UHD CMOS sensor with a 1/2.5-inch size and 8.29 megapixels, while the panoramic lens uses a CMOS sensor with a 1/2.8-inch size and 8.51 megapixels, delivering clear images with 4K@30fps Ultra-HD resolution.



The close-up camera has a silent mechanical PTZ system, enabling horizontal rotation of ±90° and vertical rotation of ±23°, enhancing its shooting range. The panoramic camera features an electronic PTZ for clear images during zooming.

Group Framing



With built-in face and human shape recognition and intelligent framing algorithms, it can identify the number of participants and their position changes, and automatically adjust the camera's viewing angle and focal length to ensure that everyone is clearly shown in the frame for the best shot.

Presenter Tracking



The speaker features built-in gesture, ReID, and ReFace recognition technologies, allowing it to activate tracking mode with simple gestures. The AI algorithm accurately identifies body shape and face, enabling the close-up camera to automatically track and capture shots as the speaker moves.

Smart Gallery



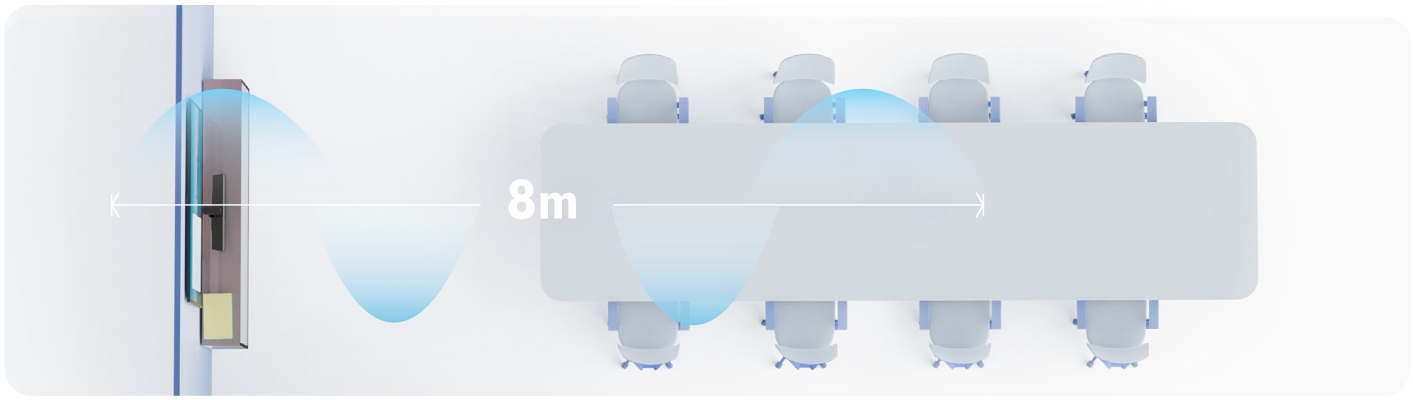
Powered by advanced AI algorithms for head, face, and body detection, the system automatically adjusts to multi-split screen layouts based on the number of participants. It captures and evenly displays close-ups of each participant, ensuring remote attendees can clearly see everyone, making meeting interactions more engaging and natural.

Speaker Framing



CMP-BAR2 has a built-in sound localization algorithm. When a participant speaks, the camera will lock onto the speaker based on sound, automatically changing the color of the close-up shot's border to indicate the speaker's position and provide a face-to-face communication experience.

8m Balanced Pickup



The built-in pickup array features 8 analog silicon microphones with beamforming technology and AI audio algorithms to suppress noise and reverberation. It ensures audio pickup within 8 meters and supports expandable microphones for extended range.

Hi-Fi Stereo Speaker



CMP-BAR2 is equipped with 2 full-range speakers featuring bass-enhanced acoustic chambers, delivering rich, layered sound with 8W powerful output to ensure clear audio coverage throughout the entire conference space.

BYOM Mode



Via a wired BYOM pod, the videobar allows participants using their familiar personal devices (such as laptops) to access the integrated AV functions, join meetings, and deliver low-latency 4K screen sharing

SPECIFICATIONS

CLOSE-UP CAMERA

Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.29 Megapixels
Focal Length	f=4.4~51.1mm, F1.8~2.6
Optical Zoom	12X
Horizontal FOV	70° ~7.4°
Vertical FOV	40° ~4.2°
Pan Angle	-90° ~ +90°
Tilt Angle	-23° ~ +23°
Pan Speed	1.7° ~ 76° /s
Tilt Speed	0.5° ~ 15° /s
PTZ	Support
Backlight Compensation	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
SNR	≥ 50dB

PANORAMIC CAMERA

Sensor	1/2.8 inches, CMOS, Effective Pixels: 8.51 Megapixels
Focal Length	2.8mm
Diagonal FOV	120°
Horizontal FOV	110°
Vertical FOV	75°
EPTZ	Support
White Balance	Auto
Backlight Compensation	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
SNR	≥ 50dB

VIDEO OUTPUT SPEC

Video Output Format	4KP30, 1080P30, 1080P60, 720P60

AUDIO SPEC

Speaker	2 full-range speakers, individual output power:8W
Microphone Array	8 beamforming microphones with 8m pickup distance
Extended MIC	Supports up to 3 microphones via DMIC interface
Audio 3A Algorithm	AI-Powered AEC/ANC/AGC
Sampling Rate	Mic 48K, Speaker 48K

USB FEATURES

Operating System Supported	Windows® 7 (only supports 1080p and below), Windows 8.1,Windows 10 or higher; MacOS ™ 10.10 or higher; Google ™ Chromebook ™ Version 29.0.1547.70 or higher; Linux (Requires Supporting for UVC)
Configuration Requirements	2.4 GHz Intel® Core 2 Duo processor or higher; 2GB memory or higher; USB 2.0 interface (4K requires USB 3.0)
Connection Type	USB 3.0, backward compatible with USB 2.0
Color Space/Compression	H.264 / MJPEG / YUY2
USB Video Communication Protocol	UVC 1.1, UAC 1.0
UVC PTZ Control	Support

I/O INTERFACES

USB 3.0	1 × USB 3.0, type-C, Support audio/video transmission and firmware upgrade 1 × USB3.0, type-A, Reserved
HDMI	1 × HDMI OUT, 1 × HDMI IN
Network Interface	1 × RJ45, 10/100/1000M adaptive Ethernet port
EXT Interface	1 × RJ45, connects to expansion microphone or wired BYOM pod, and supports PSE power supply(IEEE802.3at)
Power Interface	DC 12V
WiFi	Wifi 5, 2.4G/5G Dual-band, IEEE802.11 a/b/g/n/ac, Supports wireless BYOM and wireless screen sharing(requires additional device)
Remote Controller	Support

GENERIC SPEC

Safety Protection	Kingston anti-theft lock socket
Power	DC 12V
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension (W × D × H)	Without Stand: 600 x 127.1 x 182.1mm With Stand: 600 x 127.1 x 217.1mm
Net Weight	4kg

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