All-in-One Video Bar

CMP-UP360BAR

4K 360° Smart Panorama Camera

All-in-One | 360° Panoramic View | BYOM | Smart Gallery | 6 MEMS Array Microphones



The CMP-UP360BAR is an all-in-one Tabletop camera for huddle rooms, It features four ultra-wide-angle lenses for 360° views, six-array microphones, and full-range speakers. With builtin AI-Powered framing and noise cancellation algorithms, it supports “one-cable connection with USB-C” for effortless and quick setup. This device overcomes the limitations of traditional views by providing close-up images of all participants, significantly enhancing interactivity and the sense of involvement during remote collaborations.

Features

All-in-One Design

Designed for huddle rooms, this lightweight product features a quadcamera stitching system, an array microphone, and a speaker. It's plug-and-play—just place it in the center of the table and turn it on.

360° Imaging For Equitable Meetings

With four ultra-wide-angle lenses and a real-time video stitching algorithm, it provides a 360° panoramic view, fostering a smooth and collaborative remote interaction environment that enhances meeting focus and efficiency.

Ultra-HD Vision

Features four 4K CMOS image sensors with an ultra-high resolution of up to 16K x 2K and supports 4KP30 output for a detailed picture. A manual rotating lens cover is included to safeguard privacy.

Single-Cable BYOM

Supports the USB-C single-cable BYOM application mode. It enables 4K local screen mirroring via HDMI output. The USB-C interface offers reverse PD charging, reducing cable clutter and eliminating power concerns for laptops. It is compatible with various meeting platforms for flexible and efficient collaboration.

AI-Powered Intelligent Camera Technology

Incorporates advanced AI video algorithms with features like speaker framing, and smart gallery, automatically focusing on the speaker to enhance meeting communication.

Dynamic Layout Modes

Provides various screen layouts for different meeting scenarios, allowing users to switch between 360 ° panoramic stitching, speaker close-up, and multi-person split-screen views, with automatic adaptation to active speakers.

Omnidirectional Pickup And Sound Reinforcement

Features 6 MEMS array microphones with a clear pickup range of 3 meters. The built-in compact full-range speaker, along with a specially designed sound cavity, enables omnidirectional sound amplification to effectively cover the entire area.

Adaptive Audio 3A Algorithm

Integrates 3A (AEC/AGC/ANS) audio algorithms to eliminate echo, noise, and reverb, ensuring clear full-duplex audio conversations.

Product Specification

Camera

Video Resolution	4KP30, 1080P30, 720P30
Sensor	4 x 1/2.8-inch CMOS, 4 x 8 MP effective pixels
Lens	4 x ultra-wide-angle fixed-focus lenses, HFOV: 120° , Stitched FOV(HFOV): 360°
Zoom	3X HD digital zoom
Privacy Cover	Built-in/manual rotating
Digital Noise Reduction	2D & 3D digital noise reduction
Signal-to-Noise Ratio	≥ 50dB
Backlight Compensation	Supported

Microphone

	6 omnidirectional MEMS microphone array with beamforming technology
Pickup Range	Clear pickup distance of 3 meters

Speaker

Driver Type	1* 1.5-inch full-range unit with dual-diaphragm sound cavity
Rated Power/Impedance	4W/4Ω (max power 6W)

AI Video Features

Panoramic Stitching	Supported
Speaker Framing	Supported
Smart Gallery	Supported

Audio Features

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

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 client, BlueJeans, Google Meet, Cisco Webex, etc
Centralized Device Management System	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 PTZ Control	Supported

I/O Interfaces

USB Type-C	1 x USB 3.0 Type-C, supporting USB audio and video transmission and DP ALT mode, with reverse PD charging (up to 40W)
HDMI Out	1 x HDMI 2.0, with a maximum resolution of 4KP30
Network Port	1 x RJ45 10/100/1000 Base-T, supporting PoE (IEEE802.3at)
Power Interface	1 x USB Type-C Power Interface (65W PD charging)

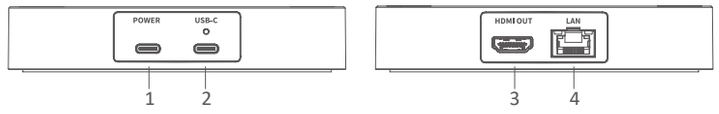
Installation

Installation Methods	desktop placement
Anti-theft Lock Jack	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° C - 40° C / - 40° C - 60° C
Operating/Storage Humidity	10% - 95%
Dimensions (L x H x D)	128 x 128 x 302mm
Net Weight	1.5kg
Certifications and Standards	CE, FCC, ROHS, Reach, WEEE

Interface Diagram



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