

4K All-in-One USB Video Bar

VC-06E

Designed for small to medium-sized meeting rooms, the video bar integrates a 4K UHD camera, microphone, and speaker, significantly reducing wiring and saving space. With built-in AI algorithms such as auto framing, speaker tracking, and smart gallery, it delivers a more intelligent and convenient experience.



Features

▼ 4K UHD

Utilizes a 1/2.5-inch, 8.51-megapixel UHD CMOS sensor, delivering 4K@30fps UHD resolution images. It is also backward compatible with various resolutions, including 1080p and 720p.

▼ 121° Wide FOV

Features a 121° wide-angle lens for meeting scenarios and 5x optical zoom. Equipped with PTZ, it can achieve EPTZ horizontal and vertical rotation of $\pm 15^\circ$, capturing more participants in a single frame.

▼ AI-Assisted Shooting

Incorporates AI algorithms that recognize the positions of meeting participants, automatically adjusting the FoV for optimal framing. It can automatically lock onto the speaker's voice position, providing precise close-ups.

▼ Smart Gallery with AI Technology

Equipped with algorithms detecting head, face, and figure, the technology adjusts the screen layout according to the number of participants, capturing everyone's facial details. The voice-activated function can switch from the overall view to a close-up of the speaker.

▼ Audio Pickup of 6m

Equipped with a microphone featuring beamforming algorithms to guide the microphone to detect the speaker, providing balanced audio and clear pickup of 6m.

▼ POE Cascade Pickup (optional)

Built-in POE power supply network port, support cascade 3 M702 array microphone, can evenly cover a wider range of conference room scene, to provide equal and consistent pickup sound for each participant.

▼ Full-Range Speaker

The device features a full-range speaker that undergoes professional tuning, effectively reducing sound interference and delivering a clear and natural sound.

▼ Multiple Interface

Supports HDMI 1.4b and USB 3.0 interfaces. HDMI 1.4b transmits UHD video signals, while USB 3.0 handles audio and video signal transmission. Easily connect to displays, computers, and other peripherals.

▼ Speakerphone

The device can connect to a mobile phone or other devices via Bluetooth, such as a microphone and speaker. It allows the integration of mobile phone calls into video conferences.

▼ Various Installation Options

Supports multiple installation methods, including tabletop placement, wall mounting, and TV/display screen mounting. Allow the users to choose installation methods based on their needs.

Integrated Design



The three-in-one design incorporating the 4K UHD camera, the beamforming microphone and the full-frequency speaker helps reduce wiring and makes available easy video communication.

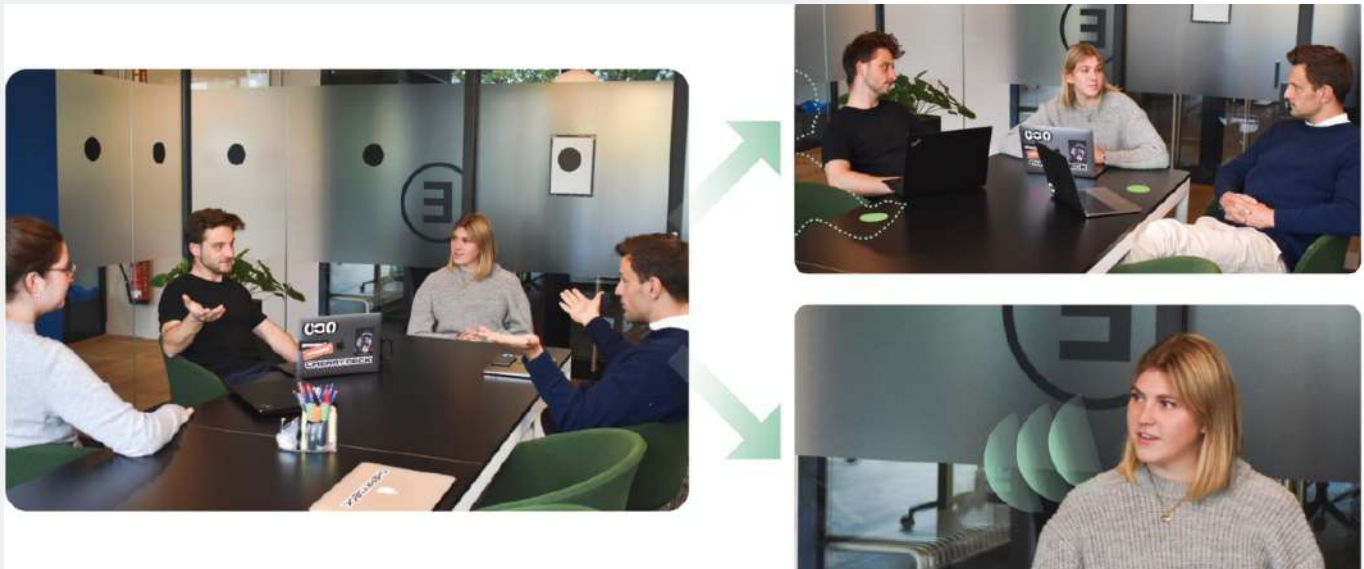


Beamforming Microphone

Built-in beamforming (BF) microphone, pickup distance is 6m; the low-distortion transverse beamforming algorithm guides the microphone to speaker for better sound effect and make communication more clear, full and true.

Intelligent Analysis

Built-in intelligent analysis algorithm, voice recognition, participants automatic frame selection, speaker automatic tracking and switching speaker screen to ensure that the speaker is always clear in the screen.



4K High Quality UHD

Use a high -quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

Wide FOV



Features a 121° wide-angle lens for meeting scenarios and 5x optical zoom. Equipped with PTZ, it can achieve EPTZ horizontal and vertical rotation of $\pm 15^\circ$, capturing more participants in a single frame.

AI-Assisted Shooting



Incorporates AI algorithms that recognize the positions of meeting participants, automatically adjusting the FoV for optimal framing. It can automatically lock onto the speaker's voice position, providing precise close-ups.

Specification

Camera Spec

Signal System	4KP30 , 1080P30 , 720P30 etc.
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Optical Lens	121° (DFOV), 110° (HFOV), 75° (VFOV), 5x Digital zoom Horizontal/pitch ±15°
PTZ	Mechanical PTZ (MPT) + e-PTZ (EPTZ)
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Backlight Compensation	Support
SNR	≥ 55dB

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
UAC	Support
UVC PTZ Control	Support (ePTZ)

AudioFeatures

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

Others

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

I/O

HD Output	1 x HDMI, Version 1.4b
Network Interface	1 x RJ45:10M/100M adaptive Ethernet (Optional)
USB Interface	1 x USB3.0, Type-C ; 1 x USB2.0, Type-A
Bluetooth	5.0

GenericSpec

Power Supply	DC 12V , 2A(Max)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	601mm×141mm×115mm (with bracket)
Net Weight	2.5kg

Ports & Components

