EnghouseVideo

Fusion Bar

4K UHD, LARGE VIEWING ANGLE WITHOUT DISTORTION, VOICE TRACKING, INTELLIGENT FRAMING, ELECTRIC PRIVACY COVER

With an all-in-one design, Fusion Bar has a 4K UHD camera, microphone array, high fidelity speaker, and electric privacy cover. Benefit from powerful functions like face recognition, voice localization, voice tracking, and intelligent noise reduction. Fusion Bar can automatically adjust the image size according to the number of participants, to present the optimal frame. It can also detect the speaker's position in real time and lock the target while having a close-up, which allows users to have hands-free operation.

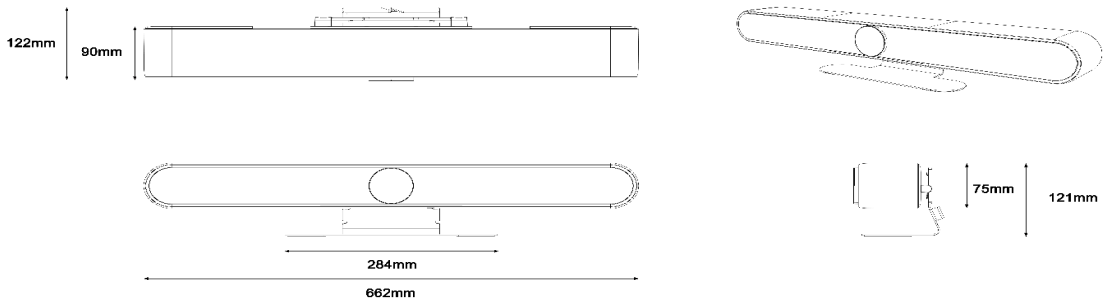
Fusion Bar's built-in linear microphone array, composed of 6 MEMS microphones, can also be matched with cascadable expansion microphones. With the advanced 3A audio algorithm, the directional pickup is clearer and brings a 6-meter full-duplex high-quality call experience.

PRODUCT FEATURES

- **Integrated Design**: Built-in 4K UHD camera, microphone array, high fidelity speaker, and electric privacy cover
- **Ultra HD:** Fusion Bar adopts 8 MP high quality CMOS image sensors, captures 4K images to present true-to-life images, bringing excellent image resolution and clarity.
- **Distortion-less Wide-Angle Lens:** 115° wide-angle lens with no distortion allows every participant to be in the frame with no need to adjust the camera.
- **Automatic Privacy Cover:** Privacy cover automatically closes to ensure privacy security.
- **Microphone Array:** Built-in 6 array microphones enable speaker to be tracked in real time. Fusion Bar breaks the distance limitation to provide virtual meetings as if you are there.
- **Built-in Speaker:** Built-in dual 10W high quality studio speaker ensures every participant can hear and be heard clearly.
- **Audio Processing:** High-fidelity audio algorithm uses a 48 kHz sampling rate and lossless transmission, with AEC, AGC, and ANS processing to deliver clear, full duplex calls up to 6 meters.
- **Auto Framing:** Built-in face detection algorithm automatically detects participants and provides optimal framing.
- **Low Noise and High SNR**: Low noise CMOS ensures the ultra-SNR of images. The advanced 2D, 3D noise reduction technology further reduces the noise while ensuring the image clarity.

SPECIFICATIONS SHEET

Camera	Lens	FOV	115° (D) / 106° (H) / 72° (V)
		Iris	F2.0
		Focal Length	1.89mm
		Digital Zoom	10X
	Sensor	High quality CMOS sensor, effective pixel 8 million, 16:9	
	Image	Minimum Illumination	0.5 Lux
		DNR	2D and 3D
		Focus	Auto/Manual
		BLC	On/Off
		Exposure	Parameter can be adjusted, and AE (Auto Exposure) is available
		SNR	≥50dB
	Video Format	HDMI: 4K P30 compatible downward USB: 4K P30 compatible downward	
	Privacy Cover	Automatic privacy cover will close when there is no image output and open when there are image outputs	
Audio	Microphone	Microphone	6 X MEMS Microphones
		Pickup Distance	6 meters
		Frequency Response	120 Hz–16 kHz
	Speaker	Speaker	Built-in dual speaker
		Voltage	2 x 10W
		Output Voice Pressure	80±3 dB 1.0M/1.0W
		Frequency Response	100 Hz – 20 KHz
	Audio Processing	AEC, AGC, ANS	
AI Function	Group Framing	Automatically adjusts the screen size according to the number of participants to present the best framing	
	Speaker Tracking	Tracks each speaker in real-time and ensures that the speaker is in the center of the screen	
Remote Control	Remote Control	Infrared remote control (No battery included)	

Physical Interfaces	USB	USB 3.0 audio video output interface, Type C Support UVC 1.1, UAC 1.0 and higher
	HDMI	HDMI video output interface HDMI also compatible with HDMI 2.0 standard
	LINE IN	3.5mm audio line input interface (when an external pickup is connected, the audio input is automatically switched to the external pickup)
	LINE OUT	3.5mm line output, can be connected to external speakers (when connecting to external speakers, the audio output will automatically switch to external speakers)
	Expansion Mic Interface	RJ45 interface, able to connect to expansion microphone.
	Power Interface	HEC3800 power socket (DC 12V), input AC110V-AC220V output DC 12V/2.5A
Power Supply Method		Supply power through power adapter
Working Condition	Storage Temperature	-10℃ – +70℃
	Storage Humidity	20% – 95%
	Working Temperature	-10℃ – +50℃
	Working Humidity	20% – 80%
	Environment	Indoor
Installation Method	Wall Mount	Comes with wall mount bracket. When mounting, the camera needs to be as close to the wall as possible.
	Desktop	Comes with desktop mounting bracket
	Installed on Monitor	Bracket for monitor installation (optional)

PRODUCT DIMENSIONS