EVO-4K-ConferenceBar+
Intelligent 4K video & audio integrated conference camera
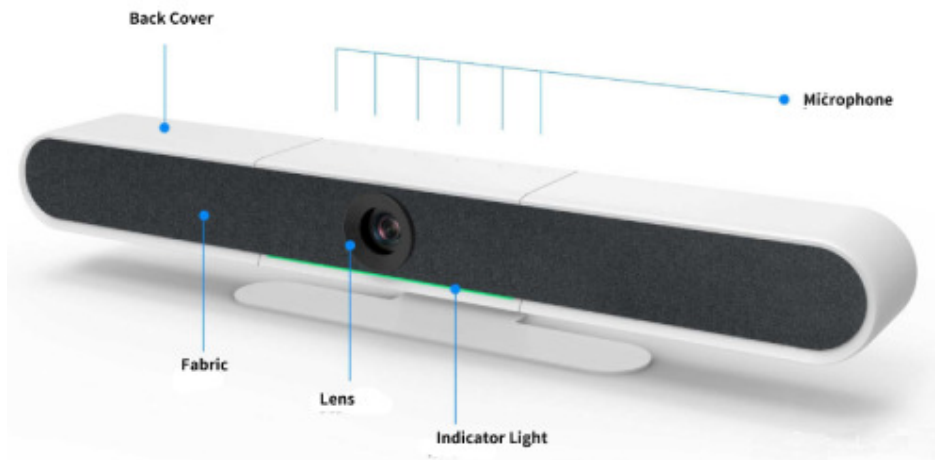
4K UHD, large viewing angle without distortion, voice tracking, intelligent framing, electric privacy cover, video and audio integration

With all-in-one design, the EVO-4K-ConferenceBar+ has a 4K UHD camera, microphone array, high fidelity speaker and electric privacy cover. With powerful functions like face recognition, voice localization, voice tracking, and intelligent noise reduction, the EVO-4K-ConferenceBar+ 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.

The EVO-4K-ConferenceBar+ has built-in linear microphone array composed of 6 MEMS microphones, and it can also be matched with external cascadable expansion microphones. With the advanced 3A audio algorithm, the directional pickup is clearer and brings you a 6 meters full-duplex exceptional communication experience.

	24 Evoness SRL
TEHNICĂ VIZUALĂ ®	Str. Bega Nr. 6
	400601 Cluj-Napoca
	Romania
	Tel.: +40 744 539702
	E-mail: videocapture@tehnicavizuala.ro
	Website: www.tehnicavizuala.ro

Key Features

- **Integrated Design**: Built-in 4K UHD camera, microphone array, high fidelity speaker and electric privacy cover

- **Ultra HD:** EVO-4K-ConferenceBar**+** adopts 8 MegaPixel high quality CMOS image sensor, able to capture 4K ultra HD image to present true-to-life image, bringing excellent image resolution and clarity.

- **Distortion-less Wide Angle Lens:** 120° wide angle with no distortion lens allows every participant is on the frame with no need to adjust the camera.

- **Automatically Privacy Cover:** Privacy cover will automatically close to ensure the privacy security.

- **Microphone Array:** The speaker can be tracked in real time by the built-in 6 array microphone. EVO-4K-ConferenceBar**+** breaks the distance limitation to provide virtual meeting as if you were personally there, in the same room with your interlocutor.

- **Built-in Speaker:** Built-in dual 10W high quality studio speaker, ensures every participant can hear and be heard clearly.

- **Audio Processing:** The audio processing algorithm adopts high-fidelity 48K audio sampling rate, lossless audio transmission technology, supports AEC, AGC, ANS processing, bringing high-quality calls of 6 meters full duplex;

- **Auto Framing:** Built-in face detection algorithm, automatically detects participant and provides optimal framing.

- **Bluetooth 5.0**: Connect mobile phone and other devices through Bluetooth to be used as Bluetooth speaker and microphone.

- **Low Noise and High SNR**: Low noise CMOS ensures the high SNR of image. The advanced 2D, 3D noise reduction technology further reduces the noise while ensuring the image clarity.

- **Powerful Compatibility:** Compatible with Windows 7, Windows 10, Mac OS 10.10 or higher O.S., suitable for mainstream cloud video platforms, including but not limited to the following: Microsoft Teams, Skype for Business, Zoom Room and Zoom clients, Cisco WebEx etc.

24 Evoness SRL
Str. Bega Nr. 6
400601 Cluj-Napoca
Romania
Tel.: +40 744 539702
E-mail: videocapture@tehnicavizuala.ro
Website: www.tehnicavizuala.ro

TEHNICĂ VIZUALĂ ®

Technical Specifications

Camera	Lens	FOV	120° (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	0.5Lux
		DNR	2D & 3D
		Focus	Auto/Manual
		BLC	On/Off
		Exposure	Parameter can be adjusted, and AE(**A**uto **E**xposure) is available
		Video Adjustment	Brightness, sharpness, saturation, contrast, white balance, gain, anti-flicker, low brightness compensation and other parameters can be adjusted
		SNR	≥50dB
	Video Format		USB: 4Kp30,1080p60 compatible downward HDMI: 4Kp30,1080p60 compatible downward
	Video Compression Format		MJPEG, YUY2, H.264, H.265, NV12
	PTZ		**ePTZ**
	Privacy Cover		Automatic privacy cover will close when there is no image output and opens when there is image output.
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		**F**ull **D**uplex **C**ommunication **A**coustic **E**cho **C**ancellation, **A**utomatic **G**ain **C**ontrol, **A**utomatic **N**oise **S**uppression **S**ound **S**ource **L**ocalization = **V**oice **T**racking

24 Evoness SRL
Str. Bega Nr. 6
400601 Cluj-Napoca
Romania
Tel.: +40 744 539702
E-mail: videocapture@tehnicavizuala.ro
Website: www.tehnicavizuala.ro

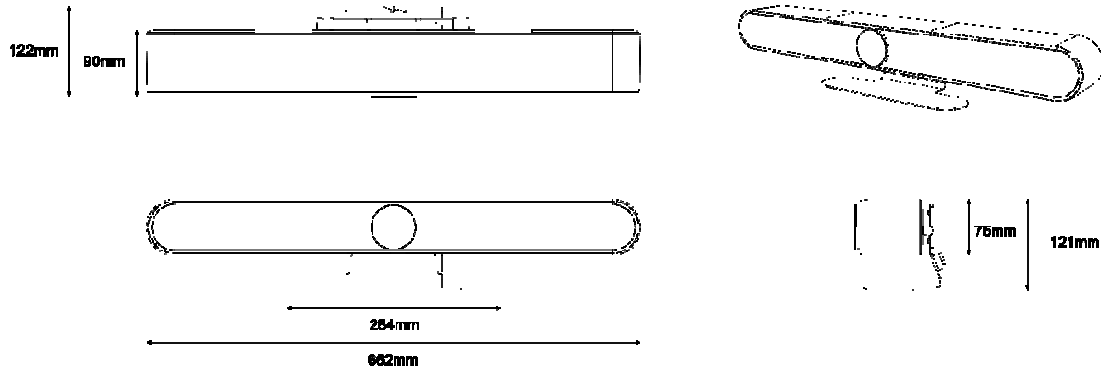|		
AI Function	Group Framing	Automatically adjusts the screen size according to the number of participants to present the best framing
	Speaker Tracking	Tracks each speaker in real time, and ensures that the speaker is in the center of the screen.
Remote Control	Remote Control	Built in Direction Button for **e**lectronic **P**an-**T**ilt-**Z**oom functions: = Left/Right, Up/Down, Zoom-In, Zoom-Out; Answer Call, Hang Up, Volume Up/Down, Mute Microphone; Auto Framing & Voice Tracking, Presets, etc.
Physical Interfaces	USB	USB 3.0 video & audio output interface, Type C Supports UVC1.1, UAC1.0 and higher
	HDMI	HDMI video output interface HDMI 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	Input AC110V-AC220V, Output DC12V/2.5A
Indicator	Bar-shaped Indicator	While displaying the working status, it can also be lit where the speaker's voice comes from.
Bluetooth	Bluetooth 5.0	Can be connected to a mobile phone or other device via Bluetooth as a Bluetooth microphone and speaker
Compatibility	Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Power Supply Method		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 mounting bracket. While mounting, the camera must be as close as possible to the wall.
	Desktop	Comes with desktop mounting bracket
	Installed on Monitor	Bracket for monitor installation (optional)

Dimension (mm)

122mm 90mm

284mm

862mm

75mm   121mm

Remote Control Functions

 1 = Bluetooth
 2 = Auto Framing & Voice Tracking
 3 = Menu
 4 = Home
 5 = Pan-Tilt Adjustment: Left/Right, Up/Down
 6 = Answer Call
 7 = Mute Microphone
 8 = Hang Up
 9 = Volume Up/Down
10 = Set/call out preset #1
11 = Set/call out preset #2
12 = Zoom-In / Zoom-Out