

# DATA SHEET

## PARLÉ™ VBC 2500A

### CONFERRING VIDEO BAR



Parlé™ VBC 2500a is an all-in-one conferencing bar featuring Biamp Audio Intelligence and Biamp Video Intelligence to deliver premium AV experiences for small and medium conference rooms. With integrated Acoustic Echo Cancellation (AEC) and AI Noise Reduction, the VBC 2500a uses a 27-microphone array and Biamp Beamtracking™ technology to actively track and intelligently mix conversations from around the room. Two smart speakers use distortion compensation and dynamic bass enhancement technology to create room filling audio with superior speech reproduction. The VBC 2500a also features Biamp Launch, an automated tuning system that optimizes the audio to each unique conference space.

Parlé VBC 2500a includes a wide angle 4K camera designed for conference room environments. The camera incorporates high quality optics to enable streaming crystal clear video at up to 2160p @ 30fps. The Parlé VBC 2500a uses auto framing technology to identify meeting participants and to adjust the focus and zoom to keep participants in view.

Parlé VBC 2500a can be plugged directly into a UC System with a single USB connection or can be paired with a Devio™ SCR-10 for a BYOD system.

#### FEATURES

- Beamtracking technology actively tracks and intelligently mixes conversations
- AI noise reduction algorithm for clear voice reproduction
- Low distortion smart speakers
- Biamp Launch for one touch automatic tuning
- LED indications for mute status and camera activity
- Wide angle 4K camera that can stream 2160p @ 30fps
- Electronic Pan/Tilt/Zoom with 5x zoom
- Auto framing technology to keep participants in frame
- Automatic privacy shutter
- Discrete output for Assistive Listening Systems
- Table, wall, and display mount options available

#### ARCHITECTS & ENGINEERS SPECIFICATION

The conferencing video bar shall be designed to work with soft codec conferencing systems. The conferencing video bar shall include a 27-element digital microphone array. The conferencing video bar microphones shall offer multidirectional beamforming and automatic signal tracking capabilities. The Beamtracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with US Patent 9659576. The conferencing video bar shall have two low distortion speakers. The conferencing video bar shall include dynamic bass enhancement and distortion compensation technology. The conferencing video bar shall support Biamp Launch, an automated audio setup process that optimizes audio output levels after physical installation is complete. The conferencing video bar shall be capable of transmitting video signals of up to 2160p resolution at 30 frames per second. The conferencing video bar shall be equipped with a camera having a 120° field-of-view. The conferencing video bar shall include a camera with 5x zoom and electronic pan, tilt, and zoom (ePTZ). The conferencing video bar shall include auto framing capabilities that adjusts the ePTZ to intelligently track users. The conferencing video bar shall provide a discrete output for Assistive Listening Systems via a 3.5mm mono balanced output. The conferencing video bar shall be mountable on a tabletop, wall, or display. The conferencing video bar shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be three years. The conferencing video bar shall be the Parlé™ VBC 2500a.

## PARLÉ VBC 2500A SPECIFICATIONS

<b>MICROPHONES</b>		<b>LOUDSPEAKERS</b>	
<b>Microphone Technology:</b>	27-Element Digital Array	<b>Frequency Response (57 Hz - 20 kHz):</b>	-10 dB
<b>Frequency Response (100 Hz - 8 kHz):</b>	-10dB	<b>Nominal Beamwidth (H x V):</b>	180° x 180°
<b>Polar Pattern:</b>	Active Beamformed	<b>Transducers:</b>	2x 2.5 in (60 mm) full range
<b>Pickup Range (25dBA noise floor):</b>	> 23 feet (7 m)	<b>Rated Maximum SPL (@ 1m):</b>	90 dB (continuous) 96 dB (peak)
<b>SNR (@ 1kHz, 94dB SPL, A-Weighted):</b>	69 dB	<b>Sensitivity (@ 1m, 2.83V):</b>	84 dB
<b>Maximum SPL (@ 1kHz, THD &lt; 10%):</b>	130 dB	<b>THD (@ 1kHz):</b>	< 0.2%
<b>Indicators:</b>	Mute Indicator (Green/Red/Off LEDs)	<b>Nominal Impedance:</b>	4Ω
<b>Sensitivity (@ 1Pa):</b>	> -37dBFS ± 1dB	<b>Continuous Rated Power</b>	
<b>Microphone Data Rate Output:</b>	48 kHz	<b>(6 dB crest factor, HPF @ 60 Hz):</b>	20W
<b>Audio Processing:</b>	AEC (Acoustic Echo Cancellation)	<b>Sampling Rate:</b>	48 kHz
<b>Noise Reduction:</b>	AI Filter	<b>Interfaces</b>	
<b>CAMERA</b>		<b>USB 3.0:</b>	1x Type C
<b>Diagonal Field of View:</b>	120 Degrees	<b>Assistive Listening Feed:</b>	1x 3.5mm mono balanced
<b>Image Sensor:</b>	12 Megapixel	<b>Power Sources</b>	
<b>Focus Distance:</b>	100 cm	<b>USB-C:</b>	60W
<b>Digital Zoom:</b>	5x	<b>External Power Supply:</b>	100-240VAC 50/60Hz (12VDC, 4.74A)
<b>Lens Cap:</b>	Automated Privacy Shutter	<b>Overall Dimensions</b>	
<b>Positioning:</b>	Autoframing capability Electronic Pan/Tilt/Zoom UVC controlled	<b>Height:</b>	3.9 inches (100 mm)
<b>Indicators:</b>	Camera Active Indicator (White/Off LED)	<b>Width:</b>	37 inches (940 mm)
<b>Supported Video Resolutions:</b>	720p @ 30fps 1080p @ 30fps 2160p @ 30fps	<b>Depth:</b>	2.5 inches (64 mm)
		<b>Weight:</b>	9.6 lbs (4.4 kg)
		<b>Environmental</b>	
		<b>Operating Temperature:</b>	32 - 104° F (0 - 40° C)
		<b>Humidity:</b>	0-90% (non-condensing)
		<b>Altitude:</b>	0-10,000 ft (0-3000m) MSL
		<b>Compliance:</b>	FCC Part 15B (USA) CE Marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)

Biamp, Devio, and Parlé are either trademarks or registered trademarks of Biamp Systems, LLC in the United States and other countries. Other product names referenced may be trademarks or registered marks of their respective owners and Biamp Systems is not affiliated with or sponsored by these companies.