## DATA SHEET PARLÉ™ VBC 2500 CONFERENCING VIDEO BAR



Parlé<sup>™</sup> VBC 2500 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 AEC and NRD, the VBC 2500 uses a 27-microphone array and Biamp Beamtracking<sup>™</sup> 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 2500 also features Biamp Launch, an automated tuning system that optimizes the audio to each unique conference space.

Parlé VBC 2500 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 VBC 2500 uses auto framing technology to identify meeting participants and to adjust the focus and zoom to keep participants in view.

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

## **FEATURES**

- Beamtracking technology actively tracks and intelligently mixes conversations
- Deep learning 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
- 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 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<sup>™</sup> VBC 2500.



+1 503 641 7287

## PARLÉ VBC 2500 SPECIFICATIONS

Frequency Response (100 Hz - 8 kHz):-10dBNominal Beamwidth (H x V):180° x 180°Polar Pattern:Active BeamformedPickup Range (25dBA noise floor):> 23 feet (7 m)SNR (@ 1kHz, 94dB SPL, A-Weighted):6 9 dBMaximum SPL (@ 1kHz, THD < 10%):130 dBIndicators:Mute Indicator(Green/Red/Off LEDs)Sensitivity (@ 1m, 2.83V):Sensitivity (@ 1Pa):> -37dBFS ± 1dBMicrophone Data Rate Output:48 kHzAudio Processing:AEC (Acoustic Echo Cancellation)Noise Reduction:A1 filterCAMERA120 DegreesImage Sensor:12 MegapixelJoigtal Zoom:5xLens Cap:Automated Privacy ShutterPositioning:Autoframing capabilityIndicators:Camera Active Indicator(White/Off LEDs)UVC controlledIndicators:Camera Active Indicator(White/Off LED)Supported Video Resolutions:720p @ 30fps1080p @ 30fps2160p @ 30fps2160p @ 30fpsAttifute:0-10,000 ft (0-3000m) MSLCompliance:2160p @ 30fps2160p @ 30fpsAttitude:0-10,000 ft (0-3000m) MSLCompliance:Compliance:	MICROPHONES		LOUDSPEAKERS	
Polar Pattern:Active BeamformedPickup Range (25dBA noise floor):> 23 feet (7 m)SNR (@ 1kHz, 94dB SPL, A-Weighted):69 dBMaximum SPL (@ 1kHz, THD < 10%):130 dBIndicators:Mute Indicator(Green/Red/Off LED)Sensitivity (@ 1Pa):Sensitivity (@ 1Pa):> -37dBFS ± 1dBAudio Processing:AEC (Acoustic Echo Cancellation)Noise Reduction:Al filterCAMERA(6 dB crest factor, HPF @ 60 Hz):Diagonal Field of View:120 DegreesImage Sensor:12 MegapixelPositioning:Automated Privacy ShutterPositioning:Automated Privacy ShutterPositioning:Autoframing capabilityIndicators:Camera Active Indicator(White/Off LED)UVC controlledSupported Video Resolutions:720p @ 30fps1080p @ 30fps2160p @ 30fpsAltitude:0-10,000 ft (0-3000m) MSLCompliance:32 - 104° F (0 - 40° C)Mice Compliance:32 - 104° F (0 - 40° C)Compliance:30 ft	Microphone Technology:   27-Element Digital Array		Frequency Response (57 Hz - 20 kHz): -10 dB	
Pickup Range (25dBA noise floor):> 23 feet (7 m)Rated Maximum SPL (@ Im):90 dB (continuous)SNR (@ 1kHz, 94dB SPL, A-Weighted):69 dBMaximum SPL (@ 1kHz, 7HD < 10%):130 dBIndicators:Mute Indicator(Green/Red/Off LEDs)Sensitivity (@ 1Pa):> -37dBFS ± 1dBMicrophone Data Rate Output:48 kHzAudio Processing:AEC (Acoustic Echo Cancellation)Noise Reduction:Al filterCAMERA120 DegreesImage Sensor:12 MegapixelFocus Distance:100 cmDigital Zoom:5xLens Cap:Automated Privacy ShutterPositioning:Autoframing capabilityUVC controlledUVC controlledIndicators:Camera Active IndicatorSupported Video Resolutions:720p @ 30fps1080p @ 30fps2160p @ 30fps2160p @ 30fps2160p @ 30fpsAutomated Privacy Shutter00 erail greerature:32 - 104° F (0 - 40° C)Huittu:0-10,000 ft (0-3000m) MSLCompliance:Compliance:	Frequency Response (100 Hz - 8 kHz): -10dB		Nominal Beamwidth (H x V):	180° x 180°
SNR (@ 1kHz, 94dB SPL, A-Weighted): 69 dB   Maximum SPL (@ 1kHz, THD < 10%): 130 dB   Indicators: Mute Indicator   (Green/Red/Off LEDs) Sensitivity (@ 1Pa): > -37dBFS ± 1dB   Sensitivity (@ 1Pa): > -37dBFS ± 1dB Continuous Rated Power   Audio Processing: AEC (Acoustic Echo Cancellation) Sampling Rate: 48 kHz   Audio Processing: AEC (Acoustic Echo Cancellation) Sampling Rate: 48 kHz   Diagonal Field of View: 120 Degrees Interfaces USB 3.0: 1x Type C   Positioning: Automated Privacy Shutter Focus Distance: 100 cm 60W   Digital Zoom: 5x Camera Active Indicator 60W   UVC controlled UVC controlled Width: 3.9 inches (100 mm)   UVC controlled UVC controlled Width: 3.9 inches (100 mm)   UVC controlled UVC controlled Weight: 9.6 lbs (4.4 kg)   Supported Video Resolutions: 720p @ 30fps 2160p @ 30fps 2160p @ 30fps   1080p @ 30fps 2160p @ 30fps 2160p @ 30fps 2104° F (0 - 40° C)   Altitude: 0-10,000 ft (0-3000m) MSL Com	Polar Pattern:	Active Beamformed	Transducers:	2x 2.5 in (60 mm) full range
Maximum SPL (@ 1kHz, THD < 10%): 130 dB Sensitivity (@ 1m, 2.83V): 84 dB   Indicators: Mute Indicator (Green/Red/Off LEDs) Nominal Impedance: 40   Sensitivity (@ 1Pa): > -37dBFS ± 1dB Continuous Rated Power 40   Audio Processing: AEC (Acoustic Echo Cancellation) Noise Reduction: AI filter (G dB crest factor, HPF @ 60 Hz): 20W   Diagonal Field of View: 120 Degrees Wiss 3.0: 1x Type C   Diagonal Field of View: 120 Degrees USB 3.0: 1x Type C   Diagonal Field of View: 120 Degrees 0% er Sources USB -C: 60W   Digital Zoom: 5x 5x (12VDC, 4.74A) 0×erall Dimensions   Positioning: Autoframing capability 100 controlled Width: 37 inches (100 mm)   UVC controlled (White/Off LED) Supported Video Resolutions: 720 @ 30fps 1080 @ 30fps   1080 @ 30fps 1080 @ 30fps 2160 @ 30fps 2160 @ 30fps Environmental   Operating Temperature: 32 -104° F (0 - 40° C) Humidity: 0-90% (non-condensing)   Altitude: 0-10,000 ft (0-3000m) MSL Compliance: <t< th=""><th>Pickup Range (25dBA nois</th><th><b>se floor):</b> &gt; 23 feet (7 m)</th><th>Rated Maximum SPL (@ 1m):</th><th>90 dB (continuous)</th></t<>	Pickup Range (25dBA nois	<b>se floor):</b> > 23 feet (7 m)	Rated Maximum SPL (@ 1m):	90 dB (continuous)
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			Altitude:	0-10,000 ft (0-3000m) MSL
FCC Part 15B (USA)			Compliance:	
				FCC Part 15B (USA)
CE Marked (Europe)				CE Marked (Europe)
UL and C-UL listed (USA and Canada)			UL and	
RoHS Directive (Europe)				RoHS Directive (Europe)

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biamp.

biampinfo@biamp.com

+1 503 641 7287