DATA SHEET
PARLÉ VBC 2800
CONFERENCING VIDEO BAR

The Parlé™ VBC 2800 is an all-in-one conferencing bar featuring Biamp Audio Intelligence and Biamp Video Intelligence that delivers high performance AV experiences across all meeting spaces up to and including large conference rooms.

The VBC 2800 features a dual 50 MP + 8 MP ePTZ camera system that clearly sees everyone, even further down long conference tables. The ePTZ system also features up to 16x digital zoom, and AI auto framing technology automatically switches between ultrawide and wide-angle cameras for the best shot. With integrated Acoustic Echo Cancellation (AEC) and AI Noise Reduction, the VBC 2800 uses a 27-microphone array and Biamp Beamtracking™ technology to actively track and intelligently mix conversations from around the room.

The VBC 2800 also features Biamp Launch™, an automated tuning system that optimizes the audio to each unique conferencing space.

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
- Discrete output for Assistive Listening Systems
- Analog audio input

- Dual 4K ePTZ camera system that can stream 2160p @ 30fps
- Ultrawide angle 120° horizontal field of view
- 50 MP wide angle lens with 86° horizontal field of view
- Electronic Pan/Tilt/Zoom with 16x zoom
- Auto framing technology to keep participants in frame
- Automatic privacy shutter
- Table and wall mounts included, display mount optional
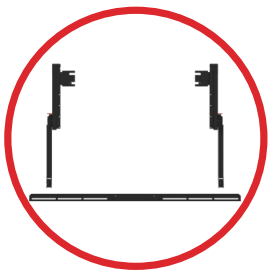
ARCHITECTS & ENGINEERS SPECIFICATION

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 dual camera system having a 120° field-of-view. The conferencing video bar shall include a camera with 16x zoom and electronic pan, tilt, and zoom (ePTZ) using a 50 megapixel image sensor. The conferencing video bar shall include auto framing capabilities that adjusts the ePTZ to intelligently track users. The conferencing video bar shall provide an RJ-45 port for monitoring and control*. The conferencing video bar shall provide a 3.5mm connector to serve as a discrete output for Assistive Listening and analog audio input. 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 2800.

PARLÉ VBC 2800 SPECIFICATIONS

MICROPHONES

Microphone Technology:	27-Element Digital Array
Frequency Response (100 Hz - 8 kHz):	-10dB
Polar Pattern:	Active Beamformed
Pickup Range (25dBA noise floor):	> 23 feet (7 m)
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
Microphone Data Rate Output:	48 kHz
Audio Processing:	AEC (Acoustic Echo Cancellation)
Noise Reduction:	AI filter

DAUL CAMERA SYSTEM

Ultrawide Lens

Diagonal FoV:	150°
Horizontal FoV:	122°
Vertical FoV:	88°
Image Sensor:	8 Megapixel
Focus:	Fixed
Minimum Focus Distance:	100 cm
Max Zoom:	3x

Wide Angle Lens

Diagonal FoV:	110°
Horizontal FoV:	86°
Vertical FoV:	69°
Image Sensor:	50 Megapixel
Focus:	Fixed
Minimum Focus Distance:	300 cm
Max Zoom:	16x
Lens Cap:	Automated Privacy Shutter
Positioning:	Autoframing capabilities
	Electronic Pan/Tilt/Zoom
	UVC controlled
Indicators:	Camera Active Indicator
	(White/Off LED)
Supported Video Resolutions:	720p @ 30 fps
	1080p @ 30 fps
	2160p @ 30 fps

LOUDSPEAKERS

Frequency Response (57 Hz - 20 kHz):	-10 dB
Nominal Beamwidth (H x V):	180° x 180°
Transducers:	2x 2.5 in (60 mm) full range
Rated Maximum SPL (@ 1m):	90 dB (continuous)
	96 dB (peak)
Sensitivity (@ 1m, 2.83V):	84 dB
THD (@ 1kHz):	< 0.2%
Nominal Impedance:	4Ω
Continuous Rated Power	
(6 dB crest factor, HPF @ 60 Hz):	20W
Sampling Rate:	48 kHz

Interfaces

USB 3.0:	1x Type C
Analog Audio Input	1x 3.5mm mono unbalanced
Assistive Listening Feed:	1x 3.5mm mono balanced

Power Sources

USB-C:	60W
External Power Supply:	100-240VAC 50/60Hz
	(12VDC, 4.74A)

Overall Dimensions

Height:	3.9 inches (100 mm)
Width:	37 inches (940 mm)
Depth:	2.5 inches (64 mm)
Weight:	9.6 lbs (4.4 kg)

Environmental

Operating Temperature:	32 - 104° F (0 - 40° C)
Humidity:	0-90% (non-condensing)
Altitude:	0-10,000 ft (0-3000m) MSL

Compliance:

FCC Part 15B (USA)
CE Marked (Europe)
UL and C-UL listed (USA and Canada)
RoHS Directive (Europe)
REACH (Europe)

Biamp strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

OPTIONAL ACCESSORIES

PMA 2000-DM
Display Mount