

Is a digital signal processor with 10 mic/line inputs and 6 mic/line outputs. Intended for a variety of conferencing applications such as boardrooms, courtrooms, and council chambers, Nexia CS includes a broad selection of audio components, routing options, and signal processing. The internal system design is completely user definable via PC software, and can be controlled via daVinci™ software screens, RS-232 control systems, and/or a variety of optional remote control devices. Multi-unit Nexia systems can be created utilizing Ethernet and NexLink digital audio linking.

FEATURES

- 10 balanced mic/line inputs on plug-in barrier strips
- 6 balanced mic/line outputs on plug-in barrier strips
- Ethernet port for software configuration/control
- Serial port for third-party RS-232 remote control
- Remote control bus for dedicated control panels
- NexLink ports for multi-unit system designs
- Nexia software for Windows®
- Pre-configured I/O with definable processing
- Mix, route, combine, EQ, delay, control, etc.
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' 5-year warranty

- Ability to select, view, and calibrate:
 - o Mixers: standard, automatic, matrix, combiners
 - o Equalizers: graphic parametric, feedback
 - o Filters: HPF, LPF, high shelf, low shelf, all-pass
 - o Crossovers: 2-Way, 3-Way and 4-Way
 - o Dynamics: leveler, comp/limiter, ducker, ANC
 - o Routers: 2x1 ~ 32x32
 - o Delays: 0 ~ 2000ms
 - o Controls: levels, presets, logic, RS-232, etc.
 - Meters: signal present, peak, RMS
 - o Generators: tone, pink-noise, white-noise
 - o Diagnostics: transfer function

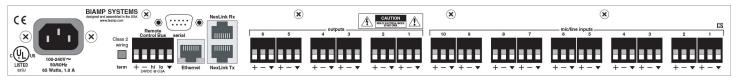
ARCHITECTS & ENGINEERS SPECIFICATION

The DSP conference system shall provide ten balanced mic/line inputs and six balanced mic/line outputs on plugin barrier-strip connectors. Inputs and outputs shall be analog, with internal 24-bit A/D & D/A converters operating at a sample rate of 48kHz. All internal processing shall be digital (DSP). NexLink connections shall allow sharing of digital audio within multi-unit systems. Software shall be provided for creating/connecting DSP system components within each hardware unit. Available system components shall include (but not be limited to) various forms of: mixers, equalizers, filters, crossovers, dynamics/gain controls, routers, delays, remote controls, meters, generators, and diagnostics. Ethernet communications shall be utilized for software control and configuration. After initial programming, processors may be controlled via dedicated software screens, third-party RS-232 control systems, and/or optional remote control devices. Software shall operate on a PC computer, with network card installed, running Windows®. The DSP conference system shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be five years. The DSP conference system shall be Nexia CS.

SPECIFICATIONS

Frequency Response		Phantom Power:	+48 VDC
(20Hz~20kHz @ +4dBu):	+0/-0.4dB		(7mA/input)
THD+N (20Hz~20kHz @ +4dBu): Line level: Mic level:	< 0.006% < 0.05%	Cross Talk (channel to channel @ 1kHz): Line level: Mic level:	< -80dB < -75dB
EIN (20Hz~20kHz, 66dB Gain, 150Ω):	-125dBu	Power Consumption	
Dynamic Range (20Hz~20kHz, OdB):	> 105dB	(100~240VAC 50/60Hz):	65W
Input Impedance (balanced):	8kΩ	Overall Dimensions:	175
Maximum Input:	+24dBu	Height: Width:	1.75 inches (44 mm) 19.0 inches (483 mm)
Maximum Gain:	66dB	Depth:	11.2 inches (283 mm)
Input Gain Range (variable):	0 - 66dB	Weight:	8.6 lbs (3.9 kg)
Output Impedance (balanced):	200Ω	Sampling Rate:	48kHz
Maximum Output:	+24dBu	A/D - D/A Converters:	24-bit
Full Scale Output Level (six selections):	-31dBu ~ +24dBu	Compliance:	
ruii scale Output Level (six selections).	-31dBd ~ +24dBd		CE marked (Europe)
		ί	JL listed (USA & Canada)

BACK PANEL



RoHS Directive (Europe)