



NEXIA_{CS} is a digital signal processor with 10 mic/line inputs and 6 independent mix 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 dedicated 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 strip
- 6 balanced outputs on plug-in barrier strip
- 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® 2000/XP
- Pre-configured I/O with definable processing
- Mix, route, combine, EQ, delay, control, etc.
- CE marked and CSA tested to UL 6500

ARCHITECTS & ENGINEERS SPECIFICATION

The DSP conference system shall provide ten balanced mic/line inputs and six balanced mic/line outputs on plug-in 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.

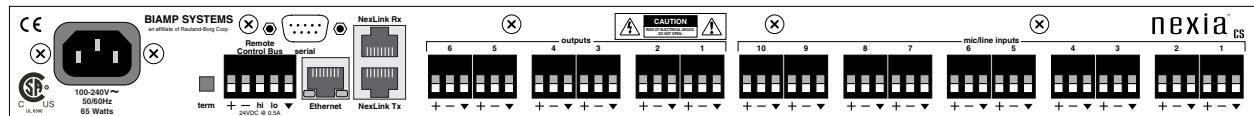
Software shall be provided for creating/connecting DSP system components within each hardware unit. Available system components shall include (but not be limited to) various forms of: mixers, equalizers, filters, crossovers, dynamics/gain controls, routers, delays, remote controls, meters, generators, 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® 2000/XP.

The DSP conference system shall be NEXIA™ CS.

NEXIA™ CS SPECIFICATIONS

Frequency Response (20Hz~20kHz @ +4dBu):	+0/-0.4dB	Output Impedance (balanced):	200 ohms
THD +N (20Hz~20kHz @ +4dBu):		Maximum Output (balanced):	+24dBu
line level	< 0.006%	Output Reference Level (selectable):	-31dBu ~ +24dBu
mic level	< 0.05%	Sampling Rate:	48kHz
Equivalent Input Noise (20Hz~20kHz, 66dB gain, 150 ohm):	-125dBu	A/D - D/A Converters:	24-bit
Dynamic Range (20Hz~20kHz, 0dB):	> 105dB	Phantom Power:	+48 VDC (7mA/input)
Maximum Gain (mic input to line output):	66dB	Power Consumption (100~240VAC 50/60Hz):	65 watts
Crosstalk (channel-to-channel @ 1kHz):		Dimensions:	
line level input	< -80dB	height	1.75 inches (45mm)
mic level input	< -75dB	width	19 inches (483mm)
Input Impedance (mic/line balanced):	8k ohms	depth	11.15 inches (283mm)
Maximum Input (mic/line balanced):	+24dBu	Weight:	8.6 lbs. (3.9kg)
Input Gain Range (variable):	0dB ~ +66dB		

NEXIA™ CS REAR PANEL DIAGRAM



NEXIA™ BLOCK DIAGRAM

