BIAMP®

RoHS Compliant EU 2002/95/EC

AudiaEXPI
Input Expander

AudiaEXPI is an input expander for Audia,® the benchmark in digital audio systems for demanding professional sound installations. AudiaEXPI accepts eight mic/line analog audio inputs and provides eight channels of digital audio output via CobraNet.® AudiaEXPI can simply add inputs to a centralized system, or it can extend system boundaries by providing inputs in remote locations. AudiaEXPI is represented as a block in Audia software, for easy inclusion into any system design. AudiaEXPI may also be used to provide inputs to other CobraNet compliant systems or devices.

FEATURES

- 8 mic/line analog inputs on plug-in barrier strips
- front panel input level controls and peak indicators
- 24-bit A/D converters with 48kHz sample rate
- 8 channels of digital audio output via CobraNet
- rotary encoder with LCD for programming/setup
- logic inputs control CobraNet routing assignments
- included as block in Audia system design software
- may be used with any CobraNet compliant system
- **RoHS** compliance and **AES** grounding practices
- **CE** marked and **UL** listed power source
- covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The Input Expander shall provide eight mic/line analog audio inputs on rear panel plug-in barrier strip connectors. Front panel level controls and peak indicators shall be provided for adjustment of the analog audio input signals. Internal analog-to-digital signal conversion shall be 24-bit, with a sample rate of 48kHz. Eight channels of digital audio output shall be provided via CobraNet,® on two rear panel RJ45 connectors. A rotary encoder and LCD screen shall be provided on the front panel for programming and setup. Logic Inputs shall be provided for remote control of CobraNet routing assignments.

The Input Expander shall be represented as a functional block within Audia® software, for easy inclusion into system designs. The Input Expander shall also be capable of providing additional analog audio inputs to other CobraNet compliant systems or devices. The Input Expander shall be CE marked with a UL/C-UL listed power source, and shall incorporate AES48-2005 Grounding & EMC practices. The Input Expander shall be compliant with EU Directive 2002/95/EC, the RoHS directive. Warranty shall be 5 years.

The Input Expander shall be AudiaEXPI.

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AudiaEXPI SPECIFICATIONS

Frequency Response (20Hz~20kHz @ -20dBFS):	+0/-0.4dB
THD+N (20Hz~20kHz @ -20dBFS):	
line level (0dBu)	< 0.006%
mic level (-60dBu)	< 0.065%
Equivalent Input Noise (20Hz~20kHz, 66dB gain, 150 ohm):	-123dBu
Maximum Gain (input channels):	60dB
Crosstalk (channel-to-channel @ 1kHz):	
line level	< -90dB
mic level	< -80dB
Input Impedance (mic/line balanced):	6.6k ohms
Maximum Input (mic/line):	+20dBu

Phantom Power:	+48 VDC (10mA/input)
Input Gain Range (variable trim):	0dB ~ +60dB
A/D Converters:	24-bit (48kHz sampling)
Power Consumption (115/230VAC 50/60Hz):	< 25 watts
Dimensions:	
height	1.75 inches (44.5mm)
width	19 inches (483mm)
depth	5.75 inches (146mm)
Weight:	4.3 lbs. (2kg)
Compliance:	AES48-2005 Grounding & EMC practices EU Directive 2002/95/EC, RoHS directive CE marked UL listed power source

AudiaEXPI REAR PANEL DIAGRAM

AudiaEXPI BLOCK DIAGRAM