



The VI-6 is a networked audio input expansion device allowing the user to add six channels of background music or user-configurable audio to a Vicia® system. It accepts four stereo analog inputs and two microphone/line level inputs, and provides six channels of digital audio output via CobraNet®. The VI-6 features embedded DSP and on-board memory to process and store all device-specific configuration information locally and includes comprehensive, fixed-chain digital-signal processing. As part of the Vicia system, the VI-6 meets paging requirements for facilities of all sizes.

FEATURES

- Four sets of dual RCA connectors, plus terminal block connectors for line-level inputs
- Four control inputs and four control outputs
- Two microphone/line inputs with phantom power
- Software-configurable local audio signal processing, including gain, filters and compressor/limiter
- Rotary switches for unit identification
- CobraNet audio/control with dynamic use of available bundles, plus power over single Ethernet cable
- Status LEDs to indicate signal and clip
- **CE** marked and **RoHS** compliant
- Covered by Biamp Systems' warranty

ARCHITECTS & ENGINEERS SPECIFICATION

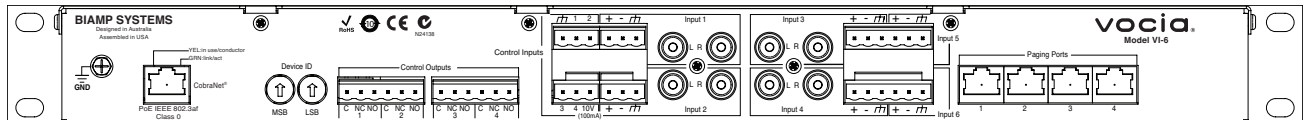
The audio input device shall be designed exclusively for use with Biamp® Vicia® systems. It shall be rack mountable (1RU) and provide audio and control via CobraNet®. It shall receive Power over Ethernet (PoE) utilizing a single (CAT5) network cable to a rear panel RJ45 connector. The audio input device shall provide four sets of dual RCA connectors plus removable terminal block connectors for line-level inputs, two microphone/line inputs with phantom power, six CobraNet outputs, four control inputs, and four control outputs. The input device shall provide local digital audio signal processing and local storage of configuration data. The input device shall indicate signal and clip with LEDs on the front panel. The input device shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years.

The input device shall be a Vicia VI-6.

Vocia Input 6 SPECIFICATIONS

Frequency Response: Line Inputs: + or - 1dB, 20Hz-20kHz Mic/Line Inputs: + or - 1dB 35Hz to 20kHz	Control Inputs: Type: Digital, variable threshold Max Input Threshold: 10V Max Input Voltage: 12V Min Input Threshold: 150mV Input Impedance: 100kΩ
THD + N (20Hz to 8kHz): Line Inputs: <0.02% Mic/Line Inputs: <0.05%	Control Outputs Type: Form C Voltage free change over contact Max Operating Voltage: 125VAC, 60VDC Max Switching Capacity: 37VA Min Operating Load: 10µA @ 10mV DC
Line Inputs Signal to Noise Ratio: >84dB	Connection: RJ45 with shielded Ethernet/PoE cable (CAT5, CAT5e, CAT6, or CAT7)
MicInputsEquivalentInputNoise: <-126dBu	Power: 802.3af (PoE) Class 3
Dynamic Range: >100dB	Dimensions: Height: 0.75 inches (44.5mm) Width: 19 inches (483mm) Depth: 10 inches (254mm)
Crosstalk (10kHz): >75dB	Weight: 6.4 lbs. (2.9kg)
Input Impedance: Line Inputs: >10kΩ Mic/Line Inputs: >1kΩ	Ambient Operating Temperature Range: 32-113 degrees F (0-45 degrees C)
Crosstalk (10kHz): >75dB	Compliance: EU Directive 2002/95/EC RoHS directive CE marked
Mic Inputs Phantom Power: 18V behind 3.3kΩ/leg	
A/D Converters: 24-bit (48kHz sampling)	

Vocia Input 6 BACK PANEL



Vocia Input 6 BLOCK DIAGRAM

