DATA SHEET
VOCIA® VI-6
INPUT DEVICE

The VI-6 is a networked audio input expansion device allowing the user to add up to six channels of audio to a Vocia system. It supports up to six background music inputs, six individual user-configurable paging inputs or four dedicated paging inputs using the Vocia Auxiliary Microphone (VAM-1). 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 DSP.

FEATURES

- Four sets of dual RCA connectors, plus terminal block connectors for line-level inputs
- Two microphone/line inputs with phantom power
- Four control inputs and four control outputs
- Four auxiliary paging inputs supporting the VAM-1 and VPSI-1
- 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' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The audio input device shall be designed exclusively for use with Biamp Vocia 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 RJ-45 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, four paging inputs, 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 Vocia VI-6.

biamp.

A: 9300 S.W. Gemini Drive Beaverton, OR 97008 USA T: +1 503.641.7287 W: www.biamp.com

VOCIA VI-6 SPECIFICATIONS

Network Connection:	RJ-45 with shielded Ethernet (CAT5, CAT5e, CAT6 or CAT7
Frequency Response:	
Line Inputs (20Hz to 20kHz):	± 1dB
Mic/Line Inputs (35Hz to 20kHz):	± 1dB
THD + N (20Hz to 8kHz):	
Line Inputs:	<0.02%
Mic/Line Inputs:	<0.05%
Line Inputs Signal-to-Noise Ratio:	>84dB
Mic Inputs Equivalent Input Noise:	<-126dBu
Dynamic Range:	>100dB
Crosstalk (10kHz):	>75dB
Input Impedance:	
Line Inputs:	>10kΩ
Mic/Line Inputs:	>1kΩ
Mic Inputs Phantom Power:	18V behind 3.3kΩ/leg
Overall Dimensions:	
Height:	1.75 inches (44.5 mm)
Width:	19.0 inches (483 mm)
Depth:	10.0 inches (254 mm)
Weight:	6.4 lbs (2.9 kg)

Control Inputs:	
Type:	Digital, variable threshold
Max Input Threshold:	10V
Max Input Voltage:	12V
Min Input Threshold:	150mV
Input Impedance:	100kΩ
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
Power:	802.3af (PoE) Class 3
Environment:	
Ambient Operating Temperature Range:	23-104° F (-5 – 40° C)
Humidity:	0 – 95% non-condensing
Altitude:	0-10,000 Feet (0-3000 Meters) MSL
Sampling Rate:	48kHz
A/D Converters:	24-bit
Compliance:	CE marked (Europe) RoHS Directive (Europe)

VOCIA VI-6 BACK PANEL