

# DATA SHEET

## VOCIA® VI-8

### 8-CHANNEL LIVE AUDIO INPUT DEVICE



The Vocia 8-Channel Live Audio Input Device (VI-8) is designed to facilitate the use of live audio Paging to Emergency and Non-emergency Zones in a Vocia system. The VI-8 allows direct connection of up to eight analog mic/line audio inputs or digital CobraNet® audio connections from external systems. Eight General Purpose Inputs and Outputs are provided and can be assigned to Control Events in the Vocia system. The interface allows live, real-time audio Paging to any assignable Page Code or Zone within the Vocia World. The Status In and Status Out allows for monitoring of multiple VI-8 devices and the Vocia Emergency system. The VI-8 supports Emergency Paging functions when a Vocia Life Safety Interface (LSI-16 or LSI-16e) is present in the system.

#### BENEFITS

- Allows live audio paging to Emergency and Non-emergency Zones within the Vocia platform
- Multiple device monitoring via an external monitoring system
- Supports CobraNet audio streams and allows inbound paging audio to be accepted from Tesira, AudiaFLEX-CM or any other CobraNet-based third-party system

#### FEATURES

- Up to 8 analog mic/line or CobraNet inputs
- 4 relay Control Outputs
- 8 Control Inputs
- Device status monitoring via Control Input and Output
- Power via dual 24V DC inputs (redundant inputs)
- Software-configurable signal processing including volume control, filters, compressor/limiting
- Rack mountable (1RU)
- CobraNet control over a single Ethernet cable
- Device monitoring
- Dual CobraNet ports for redundancy
- Rotary switches for device identification
- IP30 compliant
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The live audio input device shall be designed exclusively for use with Biamp® Vocola® systems. It shall allow microphone level, line level or CobraNet® audio signals to be inserted into a Vocola system to access live infinite paging functions. Standard and Emergency Vocola Page Codes shall be able to be specified. Front panel indicators shall be provided for chassis power, Fault and Status as well as signal present indication for each input. The unit shall support eight inputs with software-configurable level controls. Signal processing shall include five-band parametric equalization, compression, auto gain control with speech sense and VOX threshold control. The unit shall have Control Inputs and Control Outputs with the ability for one input and one output to be configured as status monitor indicators to external systems. Control Inputs shall have the ability to be associated with per channel paging or Vocola Control Input Events. Control Outputs shall have the ability to be associated with Vocola Control Output Events as well as Barrier Gateway and System Trouble outputs. Full logging of the unit status shall be reported to the Vocola network. It shall be CE marked, UL listed and shall be compliant with the RoHS directive. Warranty shall be five years. The live audio input device shall be a Vocola VI-8.

VOCIA VI-8 SPECIFICATIONS

<b>Network Connections:</b>	Dual RJ45 with shielded Ethernet (CAT5, CAT5e, CAT6, or CAT7)	<b>Control Outputs:</b>	
<b>Network Audio:</b>	20-bits, 48kHz, 5-1/3ms (fixed)	<b>Quantity:</b>	4
<b>Frequency Response (20Hz~20kHz):</b>	+0, -1dB	<b>Type:</b>	Form C Voltage free change over contact
<b>THD+N (20Hz~20kHz):</b>	<0.05%	<b>Max Operating Voltage:</b>	125VAC, 60VDC
<b>Dynamic Range:</b>	>100dB	<b>Max Switching Capacity:</b>	37VA
<b>Equivalent Input Noise:</b>	< -125dBu	<b>Min Operating Load:</b>	10µA @ 10mV DC
<b>Crosstalk (10kHz):</b>	< -75dB	<b>Status Out Type:</b>	FET Switch, open drain (low side driver)
<b>Input Impedance:</b>	8kΩ	<b>Max Operating Voltage:</b>	35V
<b>Maximum Input Level:</b>	24dBu	<b>Max Continuous Current:</b>	0.35A
<b>Phantom Power:</b>	48V DC behind 6.8kΩ per leg	<b>Current Limit:</b>	0.8A
<b>Power:</b>		<b>Dimensions:</b>	
<b>DC Input:</b>	24V DC; <100mV Ripple (Max 35W)	<b>Height:</b>	1.75 inches (44 mm)
<b>DC Reference Output:</b>	24V; 100mA limited	<b>Width:</b>	19 inches (483 mm)
<b>Control Inputs:</b>		<b>Depth:</b>	10 inches (254 mm)
<b>Quantity:</b>	9	<b>Weight:</b>	6.6 lbs (3kg)
<b>High Range Logic Low:</b>	0-8V DC	<b>Environment:</b>	
<b>High Range Logic High:</b>	12-30V DC	<b>Ambient Operating Temperature Range:</b>	18-108° F (-8 - 42° C)
<b>TTL Logic Low:</b>	0-0.8V	<b>Humidity:</b>	0 - 95% non-condensing
<b>TTL Logic High:</b>	2-5V	<b>Altitude:</b>	0-10,000 Feet (0-3000 meters) MSL
<b>Contact Closure:</b>	10V Internal Reference	<b>Sample Rate:</b>	48kHz
<b>Input Transient Protection:</b>	± 8kV Peak	<b>A/D Converters:</b>	24-bit
<b>Input Isolation:</b>	500V RMS	<b>Compliance:</b>	
			FCC Part 15B (USA)
			CE marked (Europe)
			UL and C-UL listed (USA & Canada)
			RCM (Australia)
			EAC (Eurasian Customs Union)
			RoHS Directive (Europe)

VOCIA VI-8 BACK PANEL

