DATA SHEET
VOCIA® VO-4
OUTPUT DEVICE

The VO-4 is a networked audio output expansion device allowing the user to add four line-level CobraNet® output channels to a Vocia® system. The VO-4 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 Vocia system, the VO-4 meets paging requirements for facilities of all sizes.

FEATURES

- Converts Vocia digital audio to industry standard CobraNet outputs
- Four removable terminal block connectors for line-level outputs
- Four control inputs and four control outputs
- Software-configurable local audio signal processing, including gain, filters, and compressor/limiter
- Rotary switches for unit identification

- Power Over Ethernet (PoE)
- 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 output 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 RJ45 connector. The output device shall provide four removable terminal block connectors for line-level audio outputs, four control inputs, and four control outputs. The audio output device shall provide local digital audio signal processing and local storage of configuration data. The audio output device shall indicate signal and clip with LEDs on the front panel. The audio output device shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years. The output device shall be a Vocia VO-4.

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VOCIA VO-4 SPECIFICATIONS

Network Connection:	RJ45 with shielded Ethernet (CAT5, CAT5e, CAT6, or CAT 7)
Frequency Response (20Hz-20kHz):	± 1dB
THD+N (20Hz-8kHz):	<0.02%
Dynamic Range:	> 100dB
Crosstalk (10kHz):	> 80dB
Maximum Load Impedance:	600kΩ
Nominal Output Level:	-10dBu, 0dBu, +4dBu (selectable)
Maximum Output Level:	+22dBu
Maximum Output Load:	2kΩ
Power:	802.3af (PoE) Class 3
Control Inputs:	
Type:	Digital, variable threshold
Max Input Threshold:	10V
Max Input Voltage:	12V
Min Input Threshold:	150mV
Input Impedance:	100kΩ

Control Outputs:	
Type:	Single Form C voltage free change over contact
Max Operating Voltage:	125V AC, 60V DC
Max Switching Capacity:	37 VA
Min Operating Load:	10µA 10mV DC
Dimensions:	
Height:	1.75 inches (44.5 mm)
Width:	19 inches (483 mm)
Depth:	10 inches (254 mm)
Weight:	6.4 lbs. (2.9 kg)
Environment:	
Ambient Operating Temperature Range:	23–104° F (-8 – 42° C)
Humidity:	0 – 95% non-condensing
Altitude:	0 – 10,000 Feet (0 - 3000 Meters) MSL
Sample Rate:	48kHz
A/D Converters:	24-bit
Compliance:	FCC Part 15B (USA) CE marked (Europe) RoHS Directive (Europe)

VOCIA VO-4 BACK PANEL

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