VMDA-SUM8

8-Channel Analog Audio Summing Monitor

8-channel analog/digital audio monitor with per-channel volume controls and summing capabilities.

The VMDA-SUM8 audio monitors provide self-powered, full-fidelity stereo audio monitoring in the smallest rack space possible.With a reduced depth dimension of only 6", these monitors are ideally suited for use in VTR bays, mobile production vehicles, teleconferencing installations, multimedia systems, satellite links, cable TV facilities and on-air radio studios.

The VMDA-SUM8 audio monitors offer separate inputs that are then summed together. Separate volume controls allow the operator complete control of the output. These units contain three high performance transducers driven by three power amplifiers: one amplifier/driver combination handles midrange and high frequency information in stereo, while the second handles summed low frequency information below the 500 Hz crossover point.

The unique design provides optimally focused sound for operators in an ultra near field (1 to 3 ft.) working environment and offers performance comparable to that of many separate monitor pairs, yet does so without the installation hassles, awkward speaker placements and "added-on" look. This provides for a higher SPL for the operator while reducing overall ambient sound and adjacent bay crosstalk.

Extended HF response reveals potential problems with audio whine or hiss. Electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds.

A headphone jack is provided on the front panel that automatically mutes the speakers.

Output limiter circuits are incorporated to protect the speakers, and extensive magnetic shielding allows placement immediately adjacent to video monitors with no color impurities.

Features

- Each channel has a digital/analog input select plus volume control in the VMDA-SUM8
- Premium quality drivers and power amplifiers
- Analog inputs with individual volume controls (summed)
- Full fidelity audio monitoring in only 1RU of rack space
- Powerful 98dB SPL at 2 feet (0.6m)

Benefits

- Thorough magnetic shielding allows placement next to video monitors
- Extended frequency response and low distortion provide excellent reproduction
- Audible indication of phase/polarity provides instant information
- Blowout proof speakers

Order Part Number

VMDA-SUM8: 8100-0070

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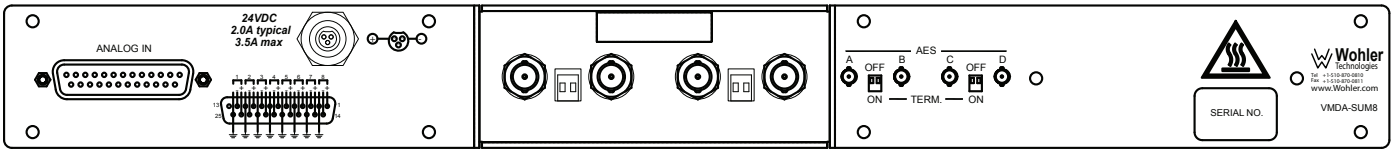
Rear Panel



Specifications

Inputs	8 analog balanced (1 DB-25) 4 AES (4 BNCs)
Outputs	N/A
Other Rear Panel Controls	4 AES terminations (2 2-position DIPs)
Power Requirements	Power to the unit is 24 V DC.
Power Consumption	45 W
Supplied Accessories	AC power cord, AC power adapter w/ 24VDC cord and plug
Power Connector	Attached external power unit plugs into standard U.S. outlet. Alternate power cables are available.
Peak Acoustic Output at 2 feet	80 dB SPL
Power Output	10 W transient / 5 W continuous 20 W transient / 10 W continuous
Acoustic Frequency Response	80 Hz to 16 kHz ± 7 dB (-10 dB @ 50 Hz to 22 kHz)
Hum and Noise	Better than -70 dB below full output
Analog Input Impedance	40k Ω > Balanced
Distortion, Electrical	<0.3% below limiting threshold
Distortion, Acoustic	typically <2% at operating levels below limiting threshold, 300 Hz to 10k Hz
Magnetic Sheilding	<2 Gauss any adjacent surface
Dimensions (H x W x D) (1 RU)	1.75" x 19" x 5.3" (44 mm x 483 mm x 135 mm)
Shipping Weight / Net Weight	16 lbs (7.26 kg)

View the complete list of specifications online at wohler.com

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