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VAIA

4 Channel Public Address and Voice Alarm Amplifier and Controller - EN 54



- ✓ COMPACT DESIGN: ALL IN ONE 1U 19" ENCLOSURE
- ✓ HIGH POWER DENSITY: DELIVERS UP TO 1000W RMS @ 100V
- ✓ FLEXIBLE AMPLIFICATION: 4 DUTY AMPLIFIER CHANNELS AND 1 STANDBY. POWER PARTITIONING UP TO 500W RMS
- ✓ 4 INDIVIDUALLY MONITORED LOUDSPEAKER LINE CONNECTIONS PER AMPLIFIER
- ✓ ENERGY EFFICIENT WITH MINIMAL POWER CONSUMPTION
- ✓ INTEGRATED SUPERVISION WITH BUILT-IN MONITORING AND ADDED REDUNDANCY FOR ENHANCED RELIABILITY
- ✓ SUPERIOR AUDIO QUALITY FOR EXCEPTIONAL CLARITY
- ✓ INTEGRATED BATTERY CHARGER
- ✓ IP ENABLED WITH SEAMLESS AUDIO AND CONTROL
- ✓ EN 54-16 AND 4 CERTIFIED

 Public Address  Voice Alarm Commercial Audio  EN 54 Certified

Description

The VAIA is engineered to meet the highest standards, integrating amplification, digital signal processing, universal AC power supply, DC power supply, battery charger, and comprehensive control into a compact 1U package. This design provides a cost-effective solution for delivering flexible zoned live and automated paging, as well as background music, for small, centralized installations.

With built-in IP networking capabilities, the VAIA makes it easy to create distributed systems that scale to meet complex requirements. Its state-of-the-art low-distortion Class D amplifiers, integrated redundancy, and voice alarm-style monitoring ensure superior performance. This makes the VAIA an ideal choice for installations where redundancy, audio quality, and maximum efficiency are critical.

This compact 1U design maximizes the use of available space in any installation cabinet. Additionally, the all-in-one approach significantly simplifies installation by minimizing the need for complex interconnecting cable looms, making delivery, setup, and testing faster and more efficient.

The patented next-generation amplifier topology, combined with advanced 32-bit internal processing, delivers a high signal-to-noise ratio, minimal distortion, and a full 20 Hz to 20 kHz frequency response. This ensures exceptional audio quality, enhancing intelligibility and creating an improved listening experience across all applications.

Utilizing a compact and patented architecture to deliver a total of 1000 W across four independent amplifier channels, with each channel capable of providing up to 500 W. An innovative auto-sleep feature enhances energy efficiency by reducing quiescent power consumption, meeting the demands of modern systems without compromising reliability or audio performance.

Adhering to strict industry safety standards, VAIA is fully EN 54-16 and EN 54-4 certified. It offers comprehensive monitoring throughout the entire signal chain—from microphone to loudspeaker. Detected faults are reported and categorized in compliance with the standard, streamlining maintenance and fault resolution.

Available in three models:

The VAIA range has three variants, each with its own power supply module: VAIA-AC, which operates solely on a universal AC mains supply; VAIA-48V, designed for DC-only operation; and VAIA, which supports both AC and DC power and is fully EN 54 certified for emergency use. This flexibility allows you to choose the most cost-effective model for your application while maintaining consistent configuration and deployment methodologies across all models.

Used With



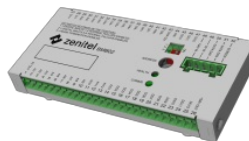
ANS04-ES

Wall Mount Sample and Hold Ambient Noise Sensor



DANS01

Wall Mount Dynamic Ambient Noise Sensor



BMB02

Din Rail Mount I/O Expansion Device

EMS01

EMS01

Wall Mount Emergency Mic - Single Button

EMS10

EMS10

Wall Mount Emergency Mic with 10 Buttons

EMS20

EMS20

Wall Mount Emergency Mic with 20 Buttons



MPS01-G

Desk Mount Paging and Emergency Microphone - Gooseneck



MPS10-G

Desk Mount Paging and Emergency Microphone with 10 buttons - Gooseneck



MPS20-G

Desk Mount Paging and Emergency Microphone with 20 buttons - Gooseneck



MPS30-G

Desk Mount Paging and Emergency Microphone with 30 buttons - Gooseneck



MPS40-G

Desk Mount Paging and Emergency Microphone with 40 buttons - Gooseneck



MPS50-G

Desk Mount Paging and Emergency Microphone with 50 buttons - Gooseneck



SAP02

Wall Mount Paging Microphone with PTT - Lockable Enclosure



SAP03

Wall Mount Paging Microphone with 10 buttons - Lockable Enclosure



VRMS4-IP

Flush Mount Paging Mic with 4 Buttons - Gooseneck - IP enabled - Vandal Resistant