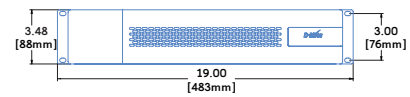
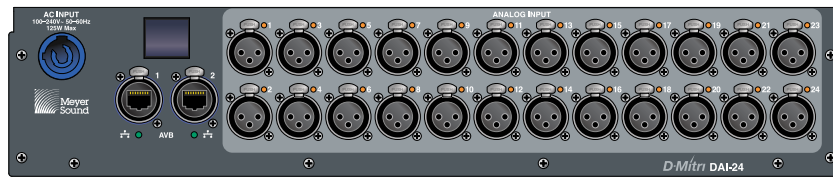
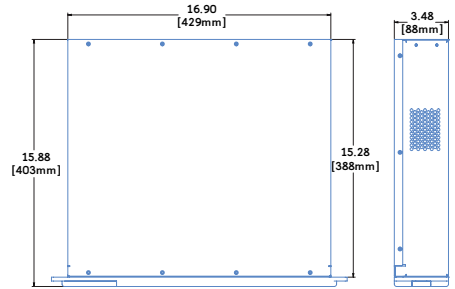


# DAI-24 : D-Mitri Analog In



The DAI-24 is a 2U rackmountable input module for the D-Mitri digital audio platform providing 24 channels of balanced mic-level or line-level analog input on XLR connectors. The DAI-24 includes a high-quality preamplifier and precision A/D conversion for each channel, as well as transport of converted channels over D-Mitri's AVB-enabled Ethernet network.

D-Mitri is a sophisticated digital audio platform which is the basis for a family of powerful modules aimed at providing comprehensive audio processing, matrix mixing and routing for a variety of professional audio applications, including theatrical and spectacle productions, theme parks, and active acoustics. D-Mitri systems feature an extremely flexible and highly programmable control scheme that can be customized by the user via the Python scripting

language and Open Sound Control real-time protocol (both open-source tools) to accomplish even the most complex tasks. D-Mitri modules communicate using the Ethernet/AVB standard, which provides guaranteed QoS (quality of service) and very low-latency.

Selections of D-Mitri modules can be assembled to provide nearly any configuration of digital or analog inputs and outputs and channels of processing. The DAI-24 facilitates applications requiring large numbers of analog inputs.

The DAI-24's analog input circuitry accepts a wide range of input signal levels, from -57 dBu to +26 dBu and exhibits 115 dB of dynamic range. Each input channel has gain, phantom power, and a -18 dB pad, all controllable from CueStation software.

## FEATURES & BENEFITS

- Provides 24 mic-level or line-level analog inputs
- High-resolution A/D conversion: up to 96 kHz sample rate at 24 bits
- Accepts very wide range of input signal levels
- Software-controlled gain and phantom power for each input
- Integrates converted audio into D-Mitri's Ethernet/AVB network
- Additional redundant AVB port

## PRELIMINARY SPECIFICATIONS

<b>ANALOG AUDIO</b>		
<b>Input Section Connectors</b>	24 analog inputs	
<b>Maximum Input Level</b>	Gold-plated female XLR	+26 dBu (maximum range selected, 0 dB input gain)
<b>A/D CONVERSION</b>		
<b>Digital Conversion</b>	24-bit resolution, 96 kHz sampling rate	
<b>DIGITAL AUDIO AND CONTROL</b>		
<b>Network Software Control</b>	Two AVB-enabled Ethernet ports for connection to D-Mitri system Full bidirectional communication with D-Mitri processors for control by CueStation software within a client-server architecture, as well as external control via Open Sound Control protocol	
<b>AC POWER</b>		
<b>Connector</b>	PowerCon®	
<b>Operating Voltage Range</b>	100-240 V AC, 50-60 Hz	
<b>Power Consumption</b>	125 W maximum	
<b>PHYSICAL</b>		
<b>Dimensions</b>	Two rack spaces 19" w x 3.5" h x 15.9" d (483 mm x 89 mm x 404 mm)	
<b>Weight</b>	20 lbs	
<b>NOTES</b>		
<b>System Requirements</b>	D-Mitri requires a Gigabit Ethernet infrastructure	
<b>Cabling</b>	Cat-5e or Cat-6	



(Pending) (Pending)

D-Mitri DAI-24  
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