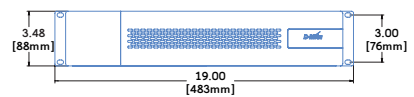
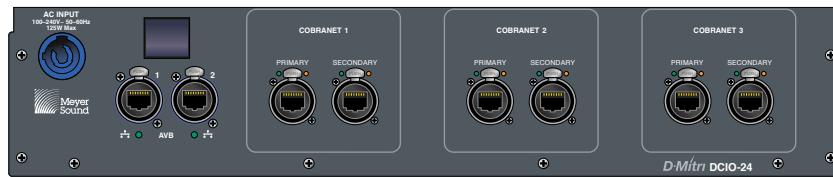
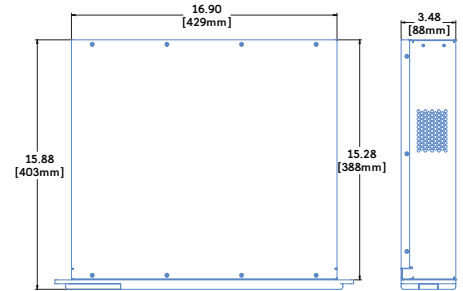


# DCIO-24 : D-Mitri CobraNet I/O



The DCIO-24 is a 2U rackmountable input/output module for the D-Mitri digital audio platform providing 24 channels each of input and output conversion between a CobraNet digital audio network and D-Mitri's AVB-enabled Ethernet network. The DCIO-24 includes sample rate conversion on both inputs and outputs, allowing complete independence from CobraNet's clocking architecture.

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 DCIO-24 facilitates applications requiring connections to CobraNet networks.

The DCIO-24 presents the 24 channels of input and 24 channels of output as three separate eight-channel CobraNet interfaces, each appearing on its own connector. A redundant connector is provided for each of the three interfaces.

## FEATURES & BENEFITS

- Enables integration with CobraNet networks
- Provides 24 channels of input and 24 channels of output conversion between CobraNet and D-Mitri's Ethernet/AVB network
- Sample rate conversion on input and output allows independence from CobraNet clocking
- Built in support for CobraNet "Dual Link"
- All CobraNet Low Latency modes are supported
- Additional redundant AVB port

## PRELIMINARY SPECIFICATIONS

<b>D/D CONVERSION</b>		<b>Digital Conversion</b>	24-bit resolution, 96 kHz sampling rate, sample rate conversion available
<b>DIGITAL AUDIO AND CONTROL</b>		<b>Channels</b>	24 input 24 output
		<b>Connectors</b>	Three Neutrik EtherCon primary CobraNet interfaces Three secondary CobraNet interfaces
		<b>Network</b>	Two AVB-enabled Ethernet ports for connection to D-Mitri system
		<b>Software Control</b>	Full bidirectional communication with D-Mitri processors for control by CueStation software within a client-server architecture, as well as external control via the 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



D-Mitri DCIO-24  
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