DDIO-24 : D-Mitri Digital I/O

thinking sound   **Meyer Sound**®
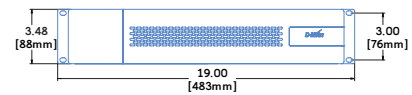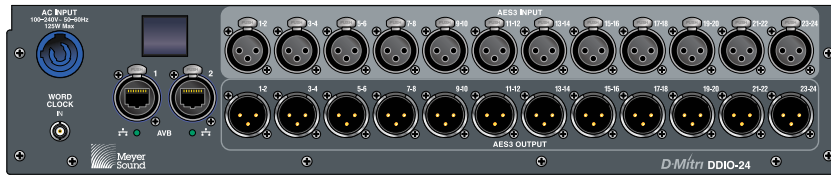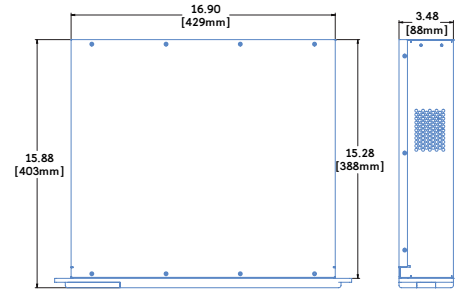

The DDIO-24 is a 2U rackmountable input/output module for the D-Mitri digital audio platform providing 24 channels each of input and output conversions between D-Mitri's AVB-enabled Ethernet network and devices that have AES/EBU digital audio connections. The DDIO-24 includes sample rate conversion on both inputs and outputs, allowing complete independence from AES/EBU stream clocking.

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 DDIO-24 facilitates applications requiring connections to AES/EBU devices.

The DDIO-24 presents the 24 channels of input and 24 channels of output as 12 input and 12 output AES/EBU interfaces on XLR connectors.

FEATURES & BENEFITS

- Enables integration with devices having AES/EBU interfaces

- Provides 24 channels of input and 24 channels of output conversion between AES/EBU devices and D-Mitri's Ethernet/AVB network

- Sample rate conversion on input and output allows independence from AES/EBU stream clocking

- External Word Clock Input to allow the AES Outputs clock to be locked to an external device

- Additional redundant AVB port

PRELIMINARY SPECIFICATIONS

CONVERSION

Digital Conversion	24-bit resolution, 96 kHz sampling rate, sample rate conversion available

DIGITAL AUDIO AND CONTROL

Input Section	12 AES/EBU inputs
Connectors	Gold-plated female XLR
Output Section	12 AES/EBU outputs
Connectors	Gold-plated male XLR
Word Clock input	One word clock input on BNC connector
Network	Two AVB-enabled Ethernet ports for connection to D-Mitri system
Software Control	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

AC POWER

Connector	PowerCon®
Operating Voltage Range	100-240 V AC, 50-60 Hz
Power Consumption	125 W maximum

PHYSICAL

Dimensions	Two rack spaces 19" w x 3.5" h x 15.9" d (483 mm x 89 mm x 404 mm)
Weight	20 lbs

NOTES

System Requirements	D-Mitri requires a Gigabit Ethernet infrastructure
Cabling	Cat-5e or Cat-6

CE ✔ N775
www.meyersound.com
Made in USA with domestic and foreign parts
(Pending)   (Pending)