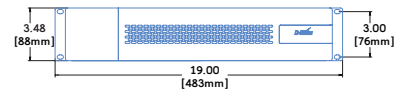
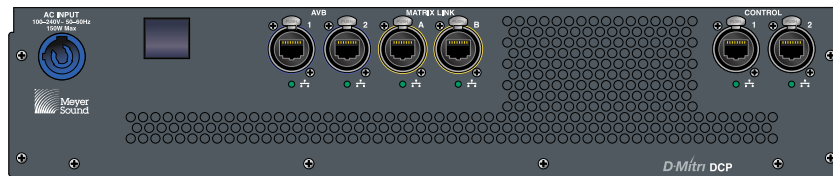
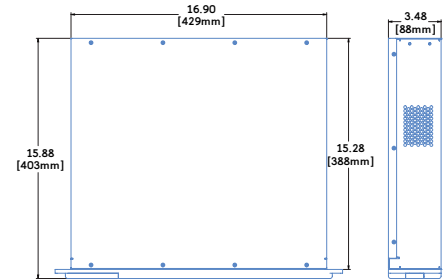


DCP : D-Mitri Core Processor



The DCP is a 2U rackmountable processing module for the D-Mitri digital audio platform which provides complete audio processing for up to 72 inputs, outputs, and internal buses. The DCP receives audio inputs from and sends outputs to D-Mitri audio interfaces via the system's AVB-enabled Ethernet network. Audio travels between the DCP and DCM-2 or DCM-4 matrix mixing modules over Matrix Link, a dedicated, ultra-low latency Ethernet connection carrying audio streams at a 96 kHz sample rate and 32-bit resolution. All processing is fully dynamic under the control of D-Mitri's CueStation software.

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.

A combination of D-Mitri modules can be assembled to provide nearly any configuration of digital or analog inputs and outputs and channels of processing. The DCP provides all audio processing, including dynamics and equalization, for up to 72 channels of audio. Larger systems use multiple DCP modules.

The DCP has two additional redundant Ethernet ports for connecting to a separate control network, to receive communication from CueStation software or an external hardware controller.

FEATURES & BENEFITS

- Provides complete audio processing for up to 72 inputs, outputs and internal buses
- Processing dynamically controlled by CueStation software
- Processes streams of up to 32 bits of resolution at 96 kHz sample rate
- Sends and receives audio to and from D-Mitri's matrix mixing modules (DCM) over Matrix Link
- Sends and receives audio to and from D-Mitri's I/O modules over AVB
- Sends and receives audio to and from D-Mitri's Ethernet/AVB network
- Redundant control port
- Additional redundant AVB port
- Additional redundant Matrix Link port

PRELIMINARY SPECIFICATIONS

DIGITAL AUDIO AND CONTROL

Network	Two AVB-enabled Ethernet ports for connection to D-Mitri interfaces Two Matrix Link ports for connection to D-Mitri DCM-2 and DCM-4 matrix mixing/routing modules
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
Control Connections	The DCM-2 has two control ports for redundant control from a backup network or controller.

AC POWER

Connector	PowerCon®
Operating Voltage Range	100-240 V AC, 50-60 Hz
Power Consumption	150 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	23 lbs

NOTES

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



D-Mitri DCP
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MEYER SOUND LABORATORIES INC.
2832 San Pablo Avenue
Berkeley, CA 94702

T: +1 510 486.1166
F: +1 510 486.8356

techsupport@meyersound.com
www.meyersound.com