mi8
DIGITAL SNAKE SYSTEM

mi8

Eight Channel Analog Input

- » 8 balanced analog inputs
- » XLR / 1/4" combo jacks
- » Selectable mic or line level inputs
- » Uses Burr Brown VCA mic pre-amps
- » Selectable 48K or 96K sampling
- » Up to 256 active input channels
- » Phantom power and gain control with LED indicators for each input
- » Front mounted control panel
- » Gigabit Ethernet Architecture
- » Power Over Ethernet (PoE) 802.3af Compliant
- » Available with rack mount kit or optional stage boots

DESCRIPTION:

The Momentum mi8 is the 8 channel analog input component of Pro Co's digital snake system. The mi8 is capable of converting 8 channels of line or mic level audio for distribution on a Momentum audio network. Using Texas Instruments Burr Brown, VCA mic pre-amps and Cirrus Logic A/D converters, up to 256 active inputs can be combined per Momentum system.

Gigabit Ethernet is standard on all Momentum products and all components are Power Over Ethernet (PoE) 802.3af compliant.

Each input channel includes phantom power, line or mic level input and mic pre-amp level control. All functions are accessible through the front panel, mts-a dedicated touch screen controller, or PC software.

A full compliment of options are available to ensure that Momentum can integrate into your system configuration. Equally at home in your studio rack or on a live stage, the mi8 is the first step to building your Momentum Digital Snake System.

OPTIONS:

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» Fiber optic Ethernet interface
» Can be added to any Momentum I/O Device

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» Contractor package rear panel
» Adds "Phoenix" connectors and a "DB 25" paralleled to the front panel connectors
» Can be added to any mi8 or mo8/me unit

SPECIFICATIONS:

Input Module: mi8

Resolution	24 bit, 48/96 kHz
Input Impedance	2k Ohms, balanced
Input Gain	
Mic Level	10-60dB, 1dB steps
Line Level	0dB
Pad	-20dBu
Maximum Input, no pad	+7dBu
Maximum Input, with pad	+27dBu
Dynamic Range	110dB, minimum
Crosstalk	<-100dB at 1 kHz
Frequency Response	20-20kHz, +/-0.05dB++

Network Specifications

Standard Gigabit Ethernet Protocol (100 meters maximum distance)

Power Over Ethernet (PoE) 802.3af Compliant (50 meters maximum distance)

Up to 256 total active system inputs at 48K or 96K sampling

Onboard memory and programming

0.315 ms A/A latency 96K sampling (no DSP)

0.630 ms A/A latency 48K sampling (no DSP)

1.00 ms A/A latency 48K sampling (with DSP)

Open UDP Ethernet communication for 3rd party control