Inputs

ANI4IN-XLR	(4) XLR connector
ANI4IN-BLOCK	(4) 6-pin block connector

Phantom Power
Selectable per channel

+48 V

Logic Connections (Block connectors only)
Sent as Ethernet command strings

LED, Switch

Polarity

Non-inverting, any input to any output

Output

(1) RJ45

Power Requirements

Power over Ethernet (PoE), Class 0

Power Consumption

10W, maximum

Weight

672 g (1.5 lbs)

Dimensions
H x W x D

4 x 14 x 12.8 cm (1.6 x 5.5 x 5.0 in.)

Control Application

HTML5 Browser-based

Operating Temperature Range

–6.7°C (20°F) to 40°C (104°F)

Storage Temperature Range

–29°C (-20°F) to 74°C (165°F)

Networking

Cable Requirements

Cat 5e or higher (shielded cable recommended)

Audio

Frequency Response

20 to 20,000 Hz

Dante Digital Output

Channel Count	4
Sampling Rate	48 kHz
Bit Depth	24

Latency
Does not include Dante latency

0.35 ms

Analog Gain Range
Adjustable in 3 dB steps

51 dB

Dynamic Range (Analog-to-Dante)
20 Hz to 20 kHz, A-weighted, typical

113 dB

Equivalent Input Noise
20 Hz to 20 kHz, A-weighted, input terminated with 150Ω

Analog Gain Setting= +0 dB	-93 dBV
Analog Gain Setting= +27 dB	-119 dBV
Analog Gain Setting= +51 dB	-130 dBV

Total Harmonic Distortion
@ 1 kHz, 0 dBV Input, 0 dB analog gain

<0.05%

Common Mode Rejection Ratio
150Ω balanced source @ 1 kHz

>70 dB

Impedance

5 kΩ

Input Configuration

Active Balanced

Input Clipping Level

Analog Gain Setting= +0 dB	+20 dBV
Analog Gain Setting= +27 dB	-7 dBV
Analog Gain Setting= +51 dB	-31 dBV

Built-in Digital Signal Processing

Per Channel	Equalizer (4-band Parametric), Mute, Invert Polarity, Gain (140 dB range)
System	Audio Summing

IP Ports and Protocols

Shure Control

Port	TCP/UDP	Protocol	Description	Factory Default
21	tcp	FTP	Required for firmware updates (otherwise closed)	Closed
22	tcp	SSH	Not supported	Closed
23	tcp	Telnet	Standard console interface	Closed
68	udp	DHCP	Dynamic Host Configuration Protocol	Open
80*	tcp	HTTP	Required to launch embedded web server	Open
427	tcp/udp	SLP†	Required for inter-device communication	Open
443	tcp	HTTPS	Not supported	Closed
161	tcp	SNMP	Not supported	Closed
162	tcp	SNMP	Not supported	Closed
2202	tcp	ASCII	Required for 3rd party control strings	Open
5353	udp	mDNS†	Required for device discovery	Open
5568	udp	SDT†	Required for inter-device communication	Open
8023	tcp	Telnet	Debug console interface	Password
8180*	tcp	HTML	Required for web application	Open
8427	udp	Multcast SLP†	Required for inter-device communication	Open
64000	tcp	Telnet	Required for Shure firmware update	Open

Dante Audio & Controller

Port	TCP/UDP	Protocol	Description
162	udp	SNMP	Used by Dante
[319-320]*	udp	PTP†	Dante clocking
4321, 14336-14600	udp	Dante	Dante audio
[4440, 4444, 4455]*	udp	Dante	Dante audio routing
5353	udp	mDNS†	Used by Dante
[8700-8706, 8800]*	udp	Dante	Dante Control and Monitoring
8751	udp	Dante	Dante Controller
16000-65536	udp	Dante	Used by Dante

*These ports must be open on the PC or control system to access the device through a firewall.

†These protocols require multicast. Ensure multicast has been correctly configured for your network.