

NADIA-AI12 Input Module



SPECIFICATIONS

PHYSICAL	
Weight	4.9 lb (2.22 kg)
Dimensions	1 RU, 19 in (483 mm) wide, 1.73 in (44 mm) high, 16.22 in (412 mm) deep
Enclosure	Metal, slightly textured black finish
IEC Ingress Protection Rating (IP Rating)	Indoor use only
AC POWER	
Connector	Neutrik powerCON TRUE1 TOP
Operating Voltage Range	100 – 240 V AC, 50 or 60 Hz, automatic voltage selection
Max Long-Term Continuous Power (>10 sec)	36 Watts
NETWORK	
Audio Network	Primary/Secondary 1Gb etherCON Ethernet network ports, Milan AVB-enabled for digital audio connection to NADIA-CP modules, telemetry reporting
ANALOG AUDIO	
Type	Differential, electronically balanced
Connectors	12 gold-plated XLR 3-pin female
Input Impedance	3.3 kΩ, 6.2 kΩ with pad, differential between pins 2 and 3
Wiring	Pin 1: Chassis/earth through 1 kΩ, 1000 pF, 15 V clamp network to provide virtual ground lift at audio frequencies Pin 2: Signal + Pin 3: Signal - Case: Earth ground and chassis
Maximum Input Level	+26 dBu, balanced
DIGITAL AUDIO	
Digital Audio Conversion	96 kHz sample rate
Milan Audio Stream Format	AAF, PCM 96 kHz sample rate, 32-bit resolution