

Specifications • NAV E 101 DTP (Continued)

Audio

Gain	
Analog to analog	Unbalanced output: -12.5 dBu, balanced output: -6.5 dBu
HDMI to analog	Unbalanced output: -11.3 dBu, balanced output: -5.3 dBu
Frequency response	20 Hz to 20 kHz, ± 0.5 dB
THD + Noise	<0.1% @ 20 Hz to 20 kHz at nominal level
S/N	
Analog to digital	>90 dB, 20 Hz to 20 kHz, at full scale output (unweighted)
Digital to analog	>90 dB, 20 Hz to 20 kHz, at maximum balanced output (unweighted)
Analog to analog	>90 dB, 20 Hz to 20 kHz, at maximum balanced output (unweighted)
Crosstalk	≤ -80 dB @ 1 kHz, fully loaded
Stereo channel separation	>80 dB @ 1 kHz
Sampling rates	32, 44.1, 48 kHz
Bit depths	16, 20, 24 bit

Audio input

Number/signal type	1 DTP (de-embedded HDMI - PCM only or remote unbalanced analog)
Connectors	1 RJ-45 female (shared with video input)
Supported formats	LPCM (2 channel)
Impedance	≥ 10 k ohms unbalanced, ≥ 20 k ohms balanced
Nominal level	+4 dBu, -10 dBV configurable
Maximum level	+21 dBu balanced, +15 dBu unbalanced
Gain adjustment range	Adjustable, -18 dB to +10 dB

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV \approx 2 dBu

Audio output stream

Number/signal type	1 audio over IP LPCM
	1 audio over IP AES67*
Connector	1 RJ-45 connector

NOTE: *AES67 specifications are compatible with the Extron DSPs.

Network interconnection (NAV)

Connector type	1 RJ-45
Ethernet standards	1GbE (802.3ab), 10/100/1000 Base-T, half/full duplex with autodetect
Termination	Auto-MDIX, TIA/EIA T568B
Protocols	
Streaming	SRTP (AES-128) on video and audio
Transport	Multicast UDP
All supported	DHCP, HTTPS, IGMPv2/v3, IPv4, PTPv2, QoS, SSH, TCP, UDP
Security	AES-256, 802.1X, Active Directory authentication
Signal transmission distance	330' (100 m) using CAT 5e/6/6a/7 cables

Communications - external devices

CEC control	1 HDMI type A loop through connector
USB configuration port	
Quantity/type	1 front panel USB mini-B
Standard	Ethernet over USB

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General

Power supply	Internal Input: 100-240 VAC, 50-60 Hz Output: TBD
Power consumption	27 watts nominal, TBD watts max.
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 85%, noncondensing
Cooling	Fan, air flows from front to rear
Thermal dissipation	81 BTU/hr
Mounting	
Rack mount	Yes, with optional rack shelf
Furniture mount	Yes, with optional under desk mounting kit
Enclosure type	Metal
Enclosure	1.66" H x 8.75" W x 10.5" D (half rack wide) (42 mm H x 222 mm W x 267 mm D)
Product weight	TBD lbs (TBD kg)
Regulatory compliance	CE, c-UL UL, C-tick, FCC Class A, ICES, VCCI, Complies with the appropriate requirements of RoHS, WEEE
Product warranty	3 years parts and labor
Everlast power supply warranty	7 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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