



NEXUS

AUDIO NETWORK // AoIP EDGE DEVICES

NEXUS compact


ANALOG-AUDUO
Microphone inputs

Dynamic range	157,6 dB(A) Converter dynamic range Inherent to the 24 bit dataformat, the idle channel noise is limited to -144 dBFS
Distortion factor (THD+N)	Typical 0,003% at 24 dBu Guaranteed < 0,004% Typical 0,003% in the range -50...0 dBu
Amplitude response	20...20.000 Hz: < 0,05 dB (Typical < ±0,1 dB) At 20 Hz: Typical -3 dB (below 18 dB/oct. drop according to IRT specifications)
Equivalent noise level	< - 129,5 dBu (A), at 200 Ω source impedance < - 126 dBu (RMS), at 200 Ω source impedance < - 133,6 dBu (A), at 0 Ω source impedance < - 115 dBqp ITU-R 468, at 200 Ω source impedance
Input level	Max. 24 dBu balanced, with phantom power switched off, unbalanced sources also allowed
Signal delay	395 μs (at 48 kHz sample rate)
Crosstalk attenuation	> 140 dB (20...20.000 Hz) typical > 170 dB at 1 kHz typical > 150 dB at 20 kHz
Unbalance attenuation	Typical 125 dB at 50 Hz Typical 105 dB at 1 kHz Typical 80 dB at 20 kHz
Gain	Digital up to 70 dB, adjustable in 1 dB increments

Analog outputs

D/A conversion	24 bit, 128-fold oversampling
Dynamic range	Typical 131 dB (A) Typical 128 dB RMS At 0 dBFS = 22 dBu
Output level	0...24 dBu at load > 600 Ω (at 300 Ω up to 15 dBu); adjustable in 1 dB steps
Distortion (THD+N)	Typical 0,003% at 24 dBu < 0,006% in the range -20...+24 dBu, guaranteed < 0,02% < 0,0006% at 4 dBu
Amplitude response	20...20.000 Hz (+0 dB, -0,2 dB), integrated DC filters
Output impedance	Typical 19 Ω
Idle channel noise	Typical -124...-128 dBFS (RMS) Typical -93 dBqp (ITU-R 468 1K) Typical -105 dBu (ITU-R 468 2K RMS)
Unbalance attenuation (output impedance)	> 60 dB at 20...20.000 Hz Typical 120 dB at 50 Hz Typical 80 dB at 20 kHz
Offset voltage	< 1 mV, typical 0,1 mV
Unbalance attenuation	> 40 dB at 20...20.000 Hz 90 dB at 50 Hz 50 dB at 20 kHz
Crosstalk attenuation	> 100 dB (20...20.000 Hz), typical 130 dB
Signal delay	< 230 μs (at 48 kHz sample rate)

HARDWARE

Dimensions	222 mm x 40 mm x 222 mm (W x H x D) 1/2 19" width: 1 HE rack carrier for 1 or 2 pieces available
Enclosure	Aluminum
Connectors	Mic In, Analog Out: D-Sub 25 Tascam pinout AES3 In/Out: D-Sub 25 Tascam pinout GPIO: D-Sub 25 Network: 3 x RJ45 (Control, AoIP Primary, AoIP Secondary)

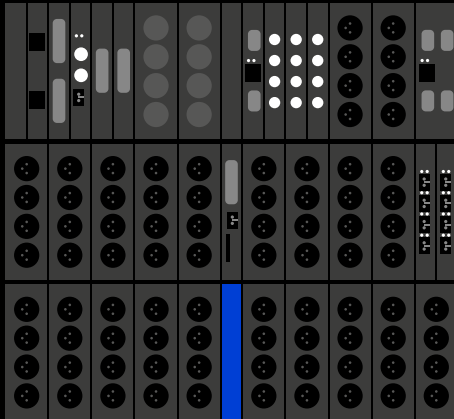


NEXUS // NETWORKED AUDIO MATRIX

NOW, IT'S TIME FOR YOU TO DEFINE YOUR SYSTEM'S FUTURE.

Every installation is unique, requiring a system that aligns perfectly with its specific requirements. Our commitment to customised solutions ensures that each scenario receives the ideal system configuration. Are you looking for a modular design that offers flexibility and seamless expansion? Or do you prefer the stability and simplicity of a fixed system? Perhaps a combination of both, blending flexibility with permanence, will best meet your needs. Would you like to continue using your proprietary system or network via IP? NEXUS supports both options, keeping you always up-to-date with maximum freedom and performance.

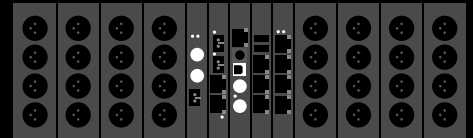
With STAGETEC, our NEXUS networked audio matrix systems will serve as the reliable heartbeat of your installation.



NEXUS modular



NEXUS compact



NEXUS 4split

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