



NEXUS

AUDIO NETWORK // AoIP EDGE DEVICES

NEXUS compact


ANALOG-AUDUO
Microphone inputs

Dynamic Range	157.6 dB (A) Converter dynamic range » 144 dB (RMS) resp. 147 dB (A) empty channel noise
Distortion Factor (THD+N)	Typ. 0.003% at 24 dBu Guaranteed < 0.004% Typ. 0.003% in the range -50...0 dBu
Amplitude response	20...20.000 Hz: < 0,05 dB (typ. < ±0,1 dB) At 20 Hz: typ. -3 dB (below 18 dB/oct. drop according to IRT specifications)
Equivalent noise level in input	< - 129.5 dBu(A), at 200 Ohm source impedance < - 126 dBu(RMS), at 200 Ohm source impedance < - 133.6 dBu(A), at 0 Ohm source impedance < - 115 dBqp CCIR1K, at 200 Ohm 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) typ. > 170 dB at 1 kHz typ. > 150 dB at 20 kHz
Unbalance attenuation	Typ. 125 dB at 50 Hz Typ. 105 dB at 1 kHz Typ. 80 dB at 20 kHz
Gain	Digital up to 70 dB, continuously adjustable in 1 dB increments

Analog outputs

D/A conversion	24 bit, 128-fold oversampling
Dynamic range	Typ. 131 dB (A) Typ. 128 dB RMS At 0 dBFS = 22 dBu
Output level	0...24 dBu at load > 600 Ohm (at 300 Ohm up to 15 dBu); adjustable in 1 dB steps
Distortion factor (THD+N)	Typ. 0,003% at 24 dBu Typ. < 0.006% in the range -20...+24 dBu, guaranteed < 0.02% Typ. < 0,0006% at 4 dBu
Amplitude response	20...20,000 Hz (+0 dB, -0.2 dB), integrated DC filters
Output impedance	Typ. 19 Ohm
Empty channel noise	Typ. -124...-128 dBFS (RMS) Typ. -93 dBqp (CCIR 1K) Typ. -105 dBu (CCIR 2K RMS)
Unbalance attenuation (output impedance)	> 60 dB at 20...20.000 Hz Typ. 120 dB at 50 Hz Typ. 80 dB at 20 kHz
Offset voltage	< 1 mV, typ. 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), typ. > 130 dB
Signal delay	< 230 µs (at 48 kHz sample rate)

HARDWARE

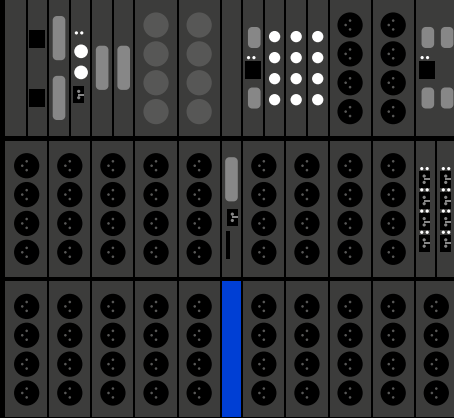
Dimensions	222 mm x 40 mm x 222 mm (W x H x D)
Enclosure	Aluminum milled
Connectors	Mic In, Analog Out: D-Sub 25 Tascam pinout AES3 In/Out: D-Sub 25 Tascam pinout GPIO: D-Sub 25 Network: 3 x RJ45 (Control, AoIP Primary, AoIP Secondary)



NEXUS // NETWORKED AUDIO MATRIX

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

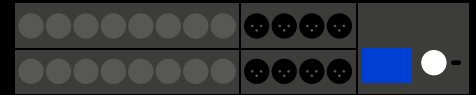
Each installation is unique, demanding a system that perfectly aligns with its specific composition. Our dedication to customized solutions ensures that every domain receives the ideal system assembly specification. Are you seeking a modular design that empowers you with adaptability and seamless growth? Or do you prefer the stability and simplicity of a fixed system? Why not consider a combination of both, harmonizing flexibility and permanence to suit your needs? With STAGETEC, our NEXUS networked audio matrix systems will serve as the reliable heartbeat of your installation.



NEXUS modular



NEXUS compact



NEXUS integral

STAGETEC

Sales and Services GmbH & Co. KG

Ottostraße 11 | 96047 Bamberg | Germany

T. +49 (0)30 / 63 99 02-850

info@stagetec.com

www.stagetec.com

STAGETEC GmbH

Tabbertstraße 10-11 | 12459 Berlin | Germany

T. +49 (0)30 / 63 99 02-0