



DIGITAL ηNXAMP4
TD CONTROLLER

**Scalable, cost-efficient
installed sound solutions**



Retail



Restaurants



Bars



Houses of
Worship



Hotels



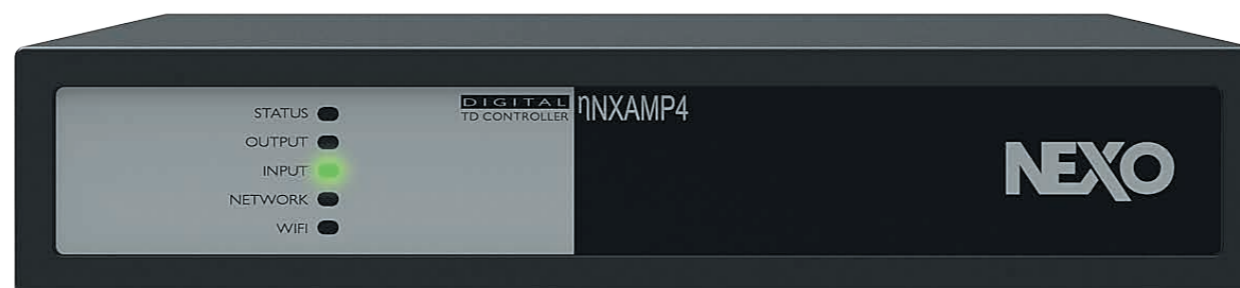
Education



Corporate

DIGITAL TD CONTROLLER **nNXAMP4**

Powerful, flexible, cost-efficient



Multi-channel, networkable plug & play amplification and processing for NEXO installed sound systems

Available in standard and Dante-equipped versions, the 4-channel nanoNXAMP4 combined amplification and processing solution significantly reduces the cost of NEXO sound systems for retail, hospitality, houses of worship and corporate installations, without compromising the sound quality.

Ultra-low distortion and highly reliable Class D amplification delivers 4 x 250W, providing the same acclaimed sound quality and sonic signature as NEXO's larger NXAMPMK2 TD Controllers. Processing uses FIR filtering for precise system EQ and linear phase compatibility, with presets available for an edited range of speakers drawn exclusively from NEXO's popular ID and ePS Series.

With a universal mains voltage range of 100 to 240 Volts, on-board mixer and matrix functions further reduce the overall cost of smaller installations. Wall remote controls are available and can be configured to allow users to select sources and control volume.



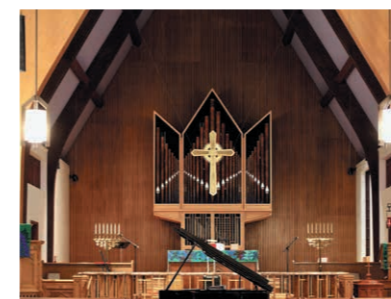
Restaurants



Bars



Retail



Houses of Worship



Hotels



Education

Comprehensive connectivity

Versatile and scalable

4x balanced/unbalanced analogue inputs essentially provide a 'double connectivity' which eases integration of the nanoNXAMP4. Balanced inputs can accommodate a dynamic microphone or professional mixer, while unbalanced inputs are perfect to connect a Bluetooth receiver, audio streamer or a computer audio output. The nanoNXAMP4 even includes a ducking and priority function to lower background music while the microphone is in use.



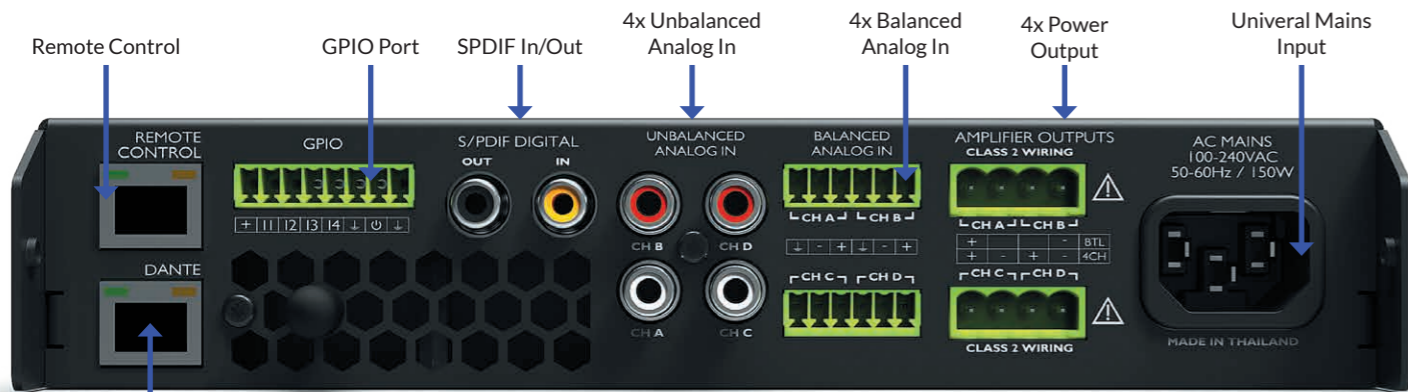
Also on the rear panel, an SPDIF In/Out can be used either as a digital input or to easily distribute a stereo signal across multiple nanoNXAMP4 units. For example, the first nanoNXAMP4-D (Dante version) can connect to the various sound sources in the role of an input matrix, then a fully digital stereo mix can be shared among multiple units simply by daisy chaining the SPDIF In/Out, keeping a full digital chain.

And a GPIO port adds additional facilities for an analogue volume control and a 12V trigger In / Out.

The nanoNXAMP4 is compatible with NEXO's NeMo remote control and monitoring tools for networked NEXO Powered TD Controllers, and industry-standard third party remote control protocols.



Rear panel connections



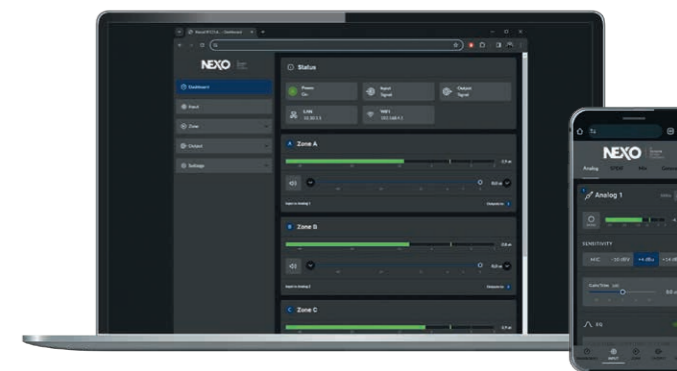
Optional Dante™

An intuitive web-based GUI for system design and set up

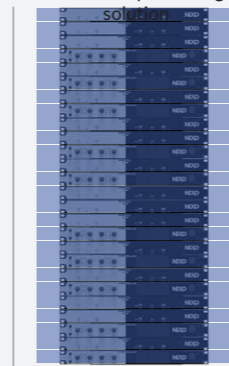
Configure and control systems from your laptop or smartphone without the need to install proprietary software

On-board mixer and matrix functions further reduce the overall cost of smaller installations, with set up and remote control enabled by an embedded web page that can be accessed via Ethernet or Wi-Fi.

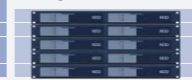
Intuitive control is provided over a wide range of parameters including Inputs, Areas, Output Routing, NEXO Speaker Processing Presets, Delays and System Information.



Existing NEXO amplification and processing solutions



Equivalent number of amplifier and processing channels using nanoNXAMP4



Space saving

The nanoNXAMP4 occupies just half a rack width and 1U height, increasing channel density. The integrated DSP offers a true 4x In / 4x Out architecture with optional Dante connectivity, all without the need of external processing, leading to significant space-savings over existing NEXO amplifier solutions while also saving cost and reducing cabling.



Energy saving

The nanoNXAMP4 doesn't just save money and rack space, it also saves energy, with a sophisticated series of intelligent standby modes helping to achieve a class-leading Energy Star rating.



ID14-I



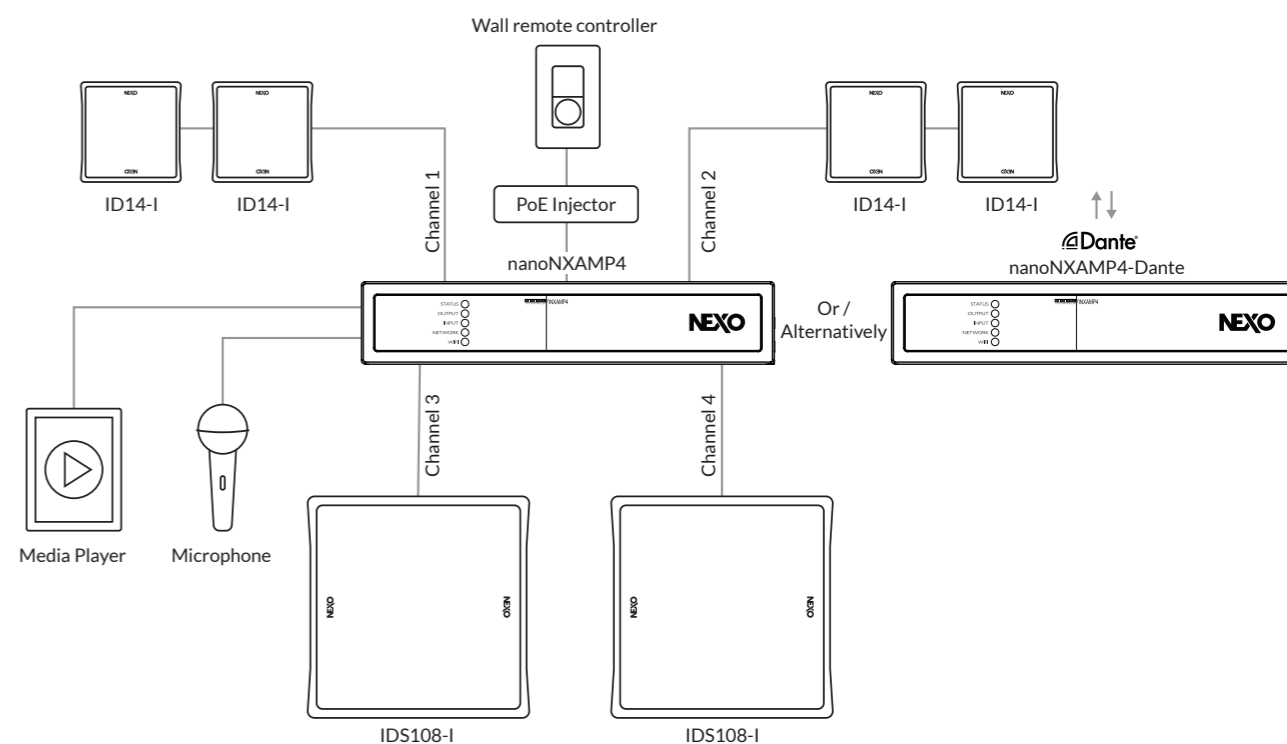
Retail

Available in black, white and custom RAL colours, NEXO's ultra-compact ID14-I blends seamlessly into prestigious retail environments, delivering dynamic, full range sound with bass extension from an equally compact 8-inch sub.

Up to 2 x ID14-I can be powered by each channel of the nanoNXAMP, with 2 channels to power the subs. Input sources connect directly to the amplifier and can be selected with the wall-mounting remote, which also controls volume.



Suggested system for retail installations





ID24-I

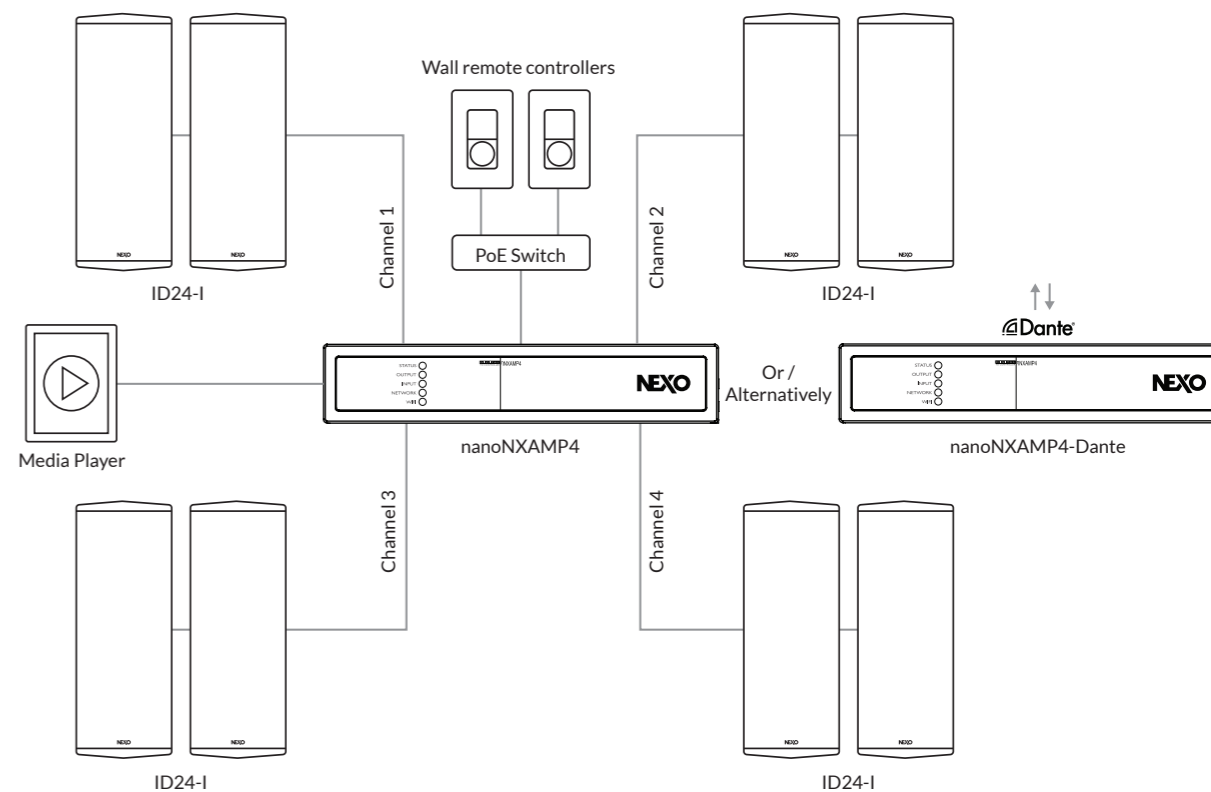
Restaurants

Also available in black, white and custom RAL colours, and using an innovative V-formation of drivers, the ID24-I features a unique, rotatable horn which can be easily accessed by the system designer to ensure seamless coverage of dining, bar and reception spaces.



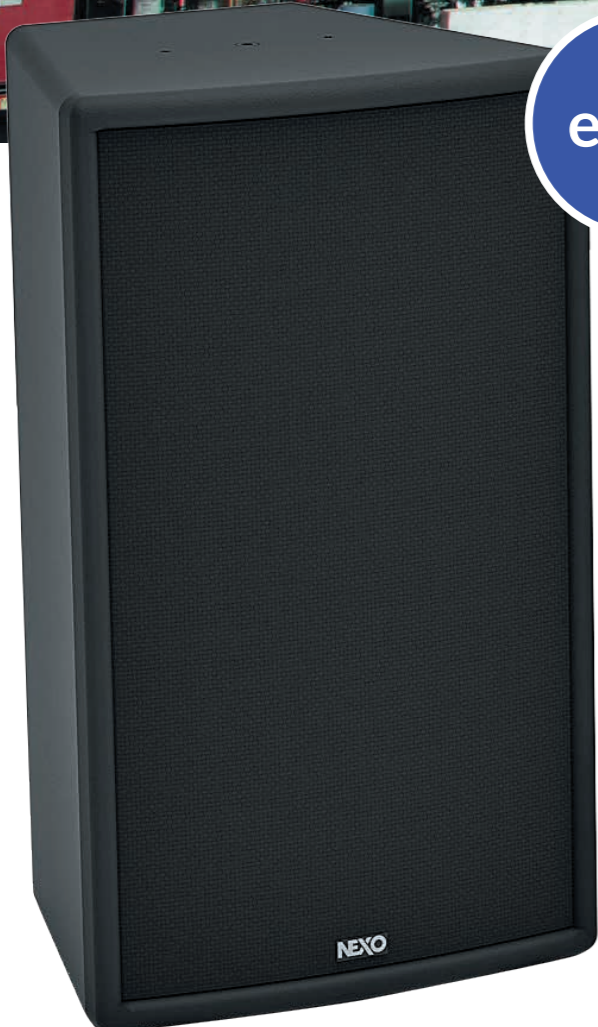
Up to 2 x ID24-I can be powered by each channel of the nanoNXAMP. Input sources connect directly to the amplifier and can be selected with wall-mounting remotes, which also control volume.

Suggested system for restaurant installations





ePS8



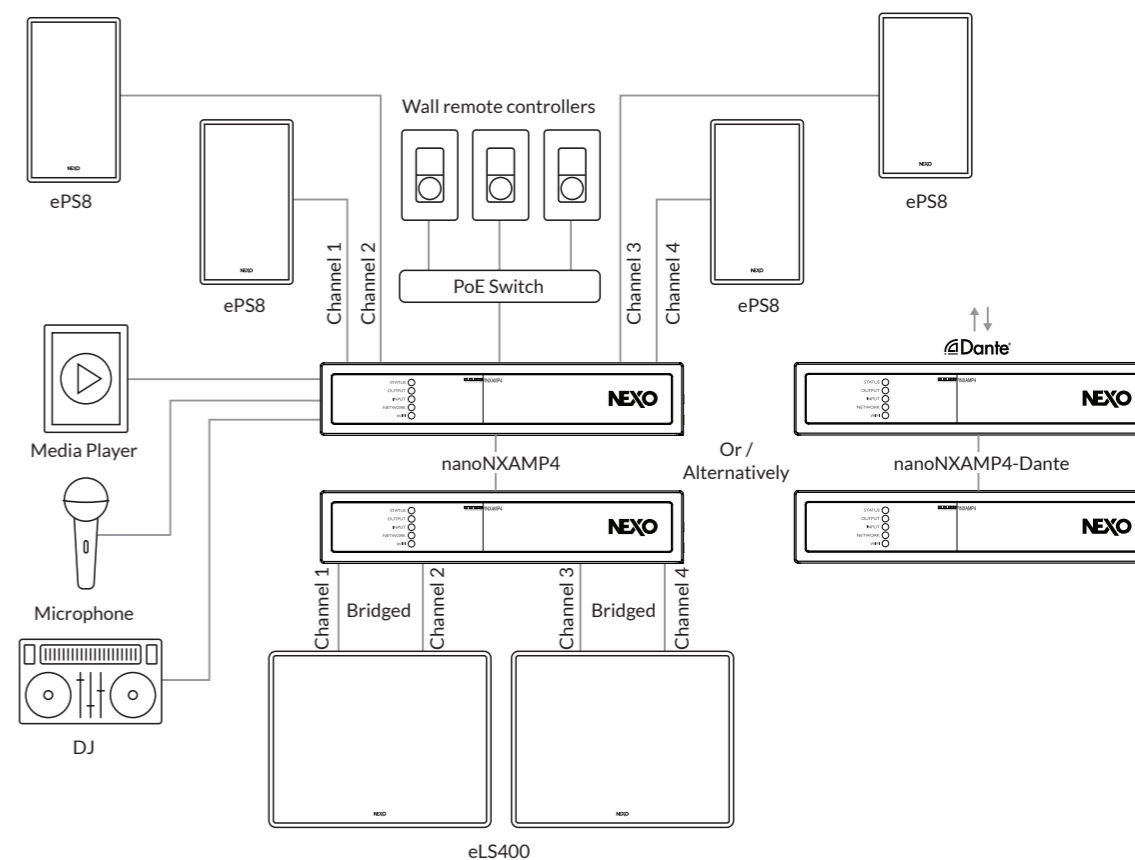
Bars

The ePS builds on NEXO's industry-standard PS platform to create a 'no frills' range of point source installation loudspeakers, perfect for use in bars on everything from ambient music to DJ sets.

1 x ePS8 can be powered by each channel of the nanoNXAMP4, with 2 channels bridged to power the eLS400 subs. Input sources connect directly to the amplifier and can be selected with the wall-mounting remote, which also controls volume.



Suggested system for bar installations



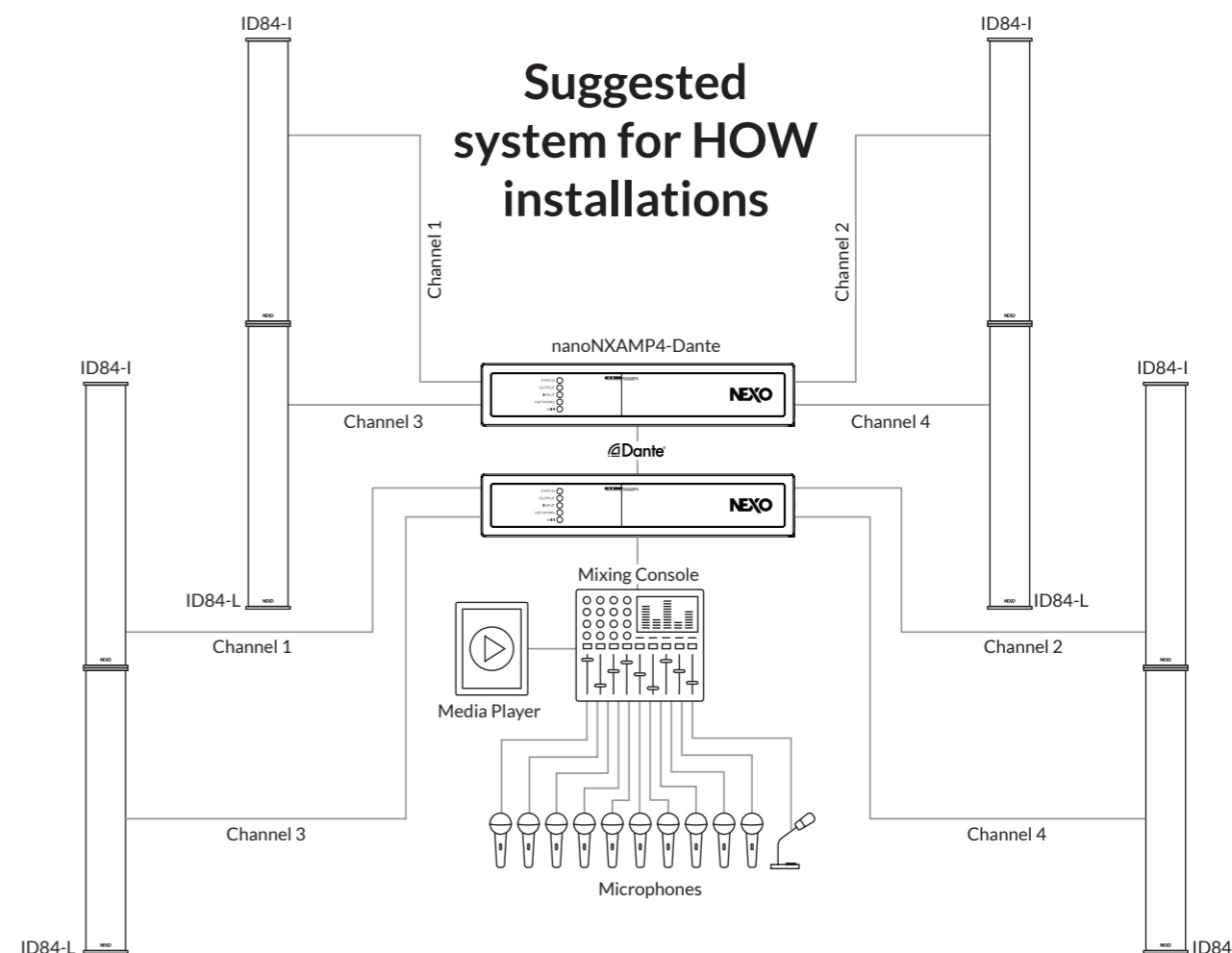


ID84-I

Houses of Worship

Available in black, white and custom RAL colours, the ID84-I uses eight 4-inch drivers and an array of dome tweeters on a curved baffle to deliver a 'hi-fi' performance that has come to redefine the column loudspeaker.

A popular choice in Houses of Worship where a line array might be impractical, one ID84-I can be powered by each channel of the nanoNXAMP, with additional channels required for the similarly proportioned ID84-L-I LF extension modules.





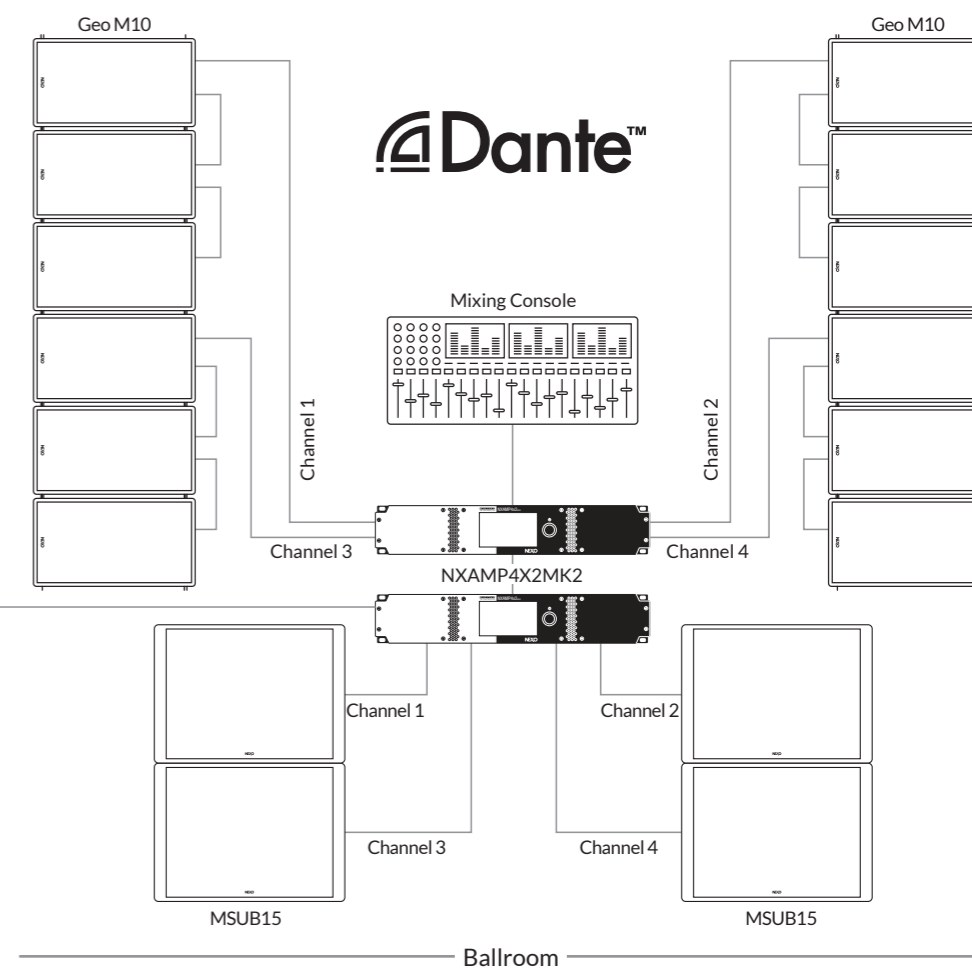
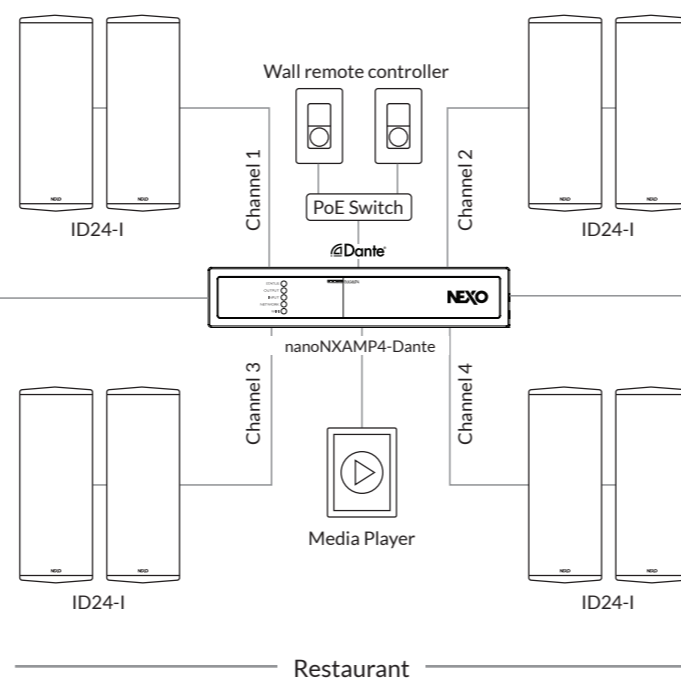
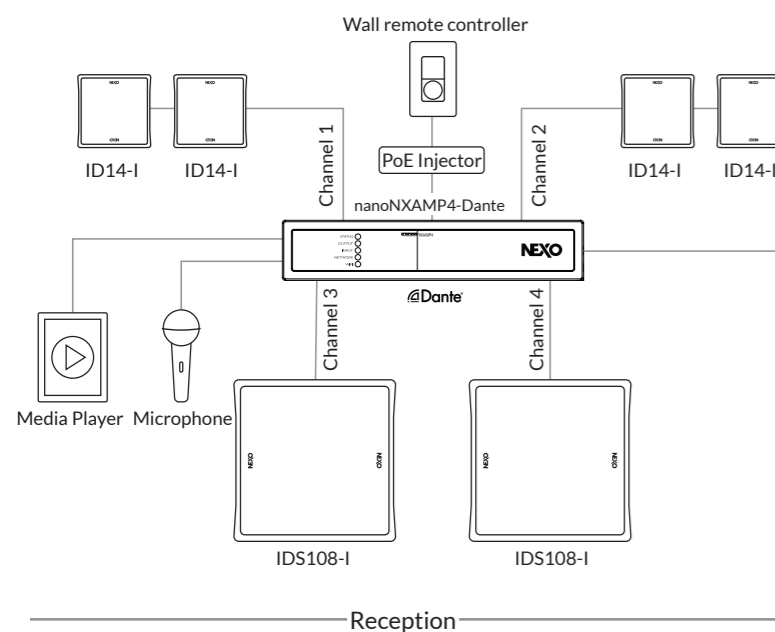
Hotels, Education and Corporate

Expanded Systems



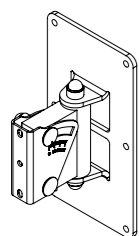
With a shared sonic signature and linear phase compatible pre-sets, smaller nanoNXAMP4-D systems can be integrated with larger NXAMPmk2-powered configurations to create sophisticated, multi-zones, Dante-networked systems.

Suggested system for hotel installations



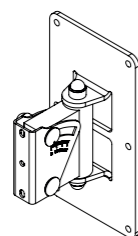
ID Series Accessories

ID14-I Installation Accessories



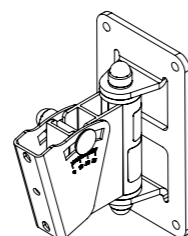
VNI-WM02

Versatile 25 kg max wall mount adapter 02 for indoor use



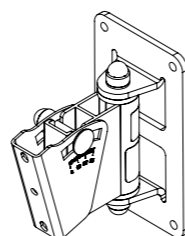
VNI-WM02-OU

Versatile 25 kg max wall mount adapter 02 for outdoor use



VNI-WM01

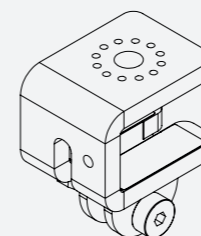
Versatile 15 kg max wall mount adapter 01 for indoor use



VNI-WM01-OU

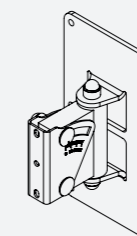
Versatile 15 kg max wall mount adapter 01 for outdoor use

ID84-I Installation Accessories



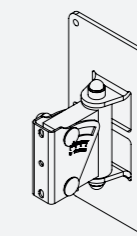
VNI-WMADAPT

Bumper to Wall Mount Adaptor



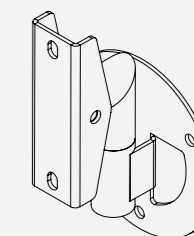
VNI-WM02

Versatile 25 kg max wall mount adapter 02 for indoor use



VNI-WM02-OU

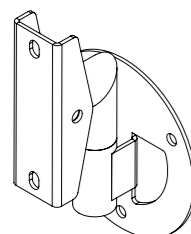
Versatile 25 kg max wall mount adapter 02 for outdoor use



VNI-WB02

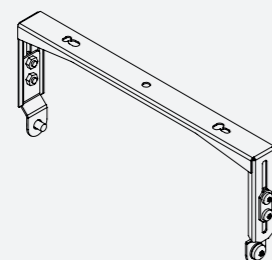
Versatile 15 kg max light wall mount adapter 02 for indoor use

ID24-I Installation Accessories



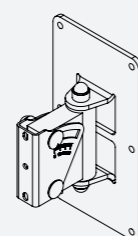
VNI-WB02

Versatile 15 kg max light wall mount adapter 02 for indoor use



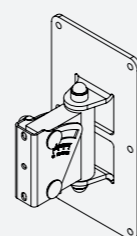
IDI-HBRK24

Bracket for ID24



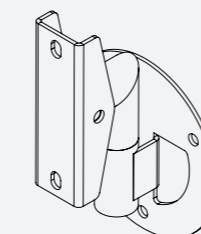
VNI-WM02

Versatile 25 kg max wall mount adapter 02 for indoor use



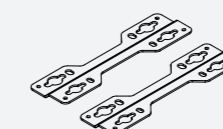
VNI-WM02-OU

Versatile 25 kg max wall mount adapter 02 for outdoor use



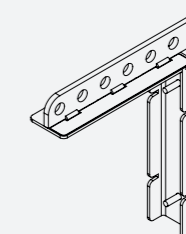
VNI-WB02-OU

Versatile 15 kg max light wall mount adapter 02 for outdoor use



IDI-SWM01

Wall Mount Bracket for IDS110 / IDS210



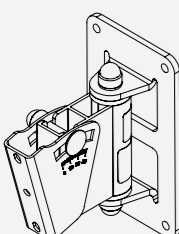
IDU-BUMP

Lifting bracket for ID84 and ID84L



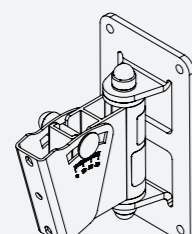
IDU-COUPPL

Coupling bracket for ID84 and ID84L



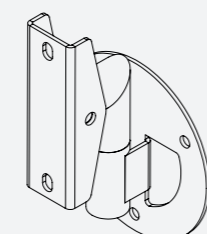
VNI-WM01

Versatile 15 kg max wall mount adapter 01 for indoor use



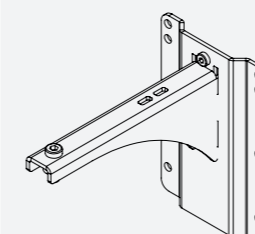
VNI-WM01-OU

Versatile 15 kg max wall mount adapter 01 for outdoor use



VNI-WB02

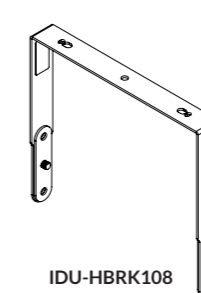
Versatile 15 kg max light wall mount adapter 02 for indoor use



VNI-WM200

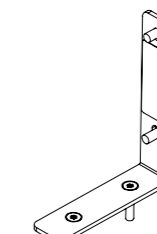
Wall mount 200 mm

IDS108-I Installation Accessories



IDI-HBRK108

Bracket for IDS108



IDI-14TO108

Adapter ID14 to IDS108

ID Series Specifications

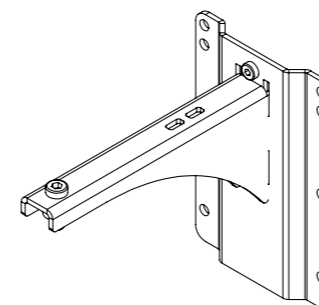
| | ID14-I WITH NEXO PROCESSING | | ID24-I WITH NEXO TDCONTROLLER SETUP | | ID84-I WITH NEXO PROCESSING | |
|---|--|--|--|--|--|---|
| | ID14-I | IDS108-I | ID24-I | IDS110-E | ID84-I | ID84-L-I |
| Frequency Response @-6 dB | 120 Hz to 20 kHz | 50 Hz to 150 kHz | 95Hz - 20kHz (+/- 6dB) | 43 Hz to 130 Hz (+/- 3dB) | 90 Hz to 20 kHz | 90 Hz to 1.5 kHz |
| Sensitivity | 95 dB | 95 dB | 100 dB SPL Nominal | 97 dB SPL Nominal | 105 dB SPL Nominal | 102 dB SPL Nominal |
| Peak SPL@1m | 116 dB | 122 dB | 126 dB | 125 dB | 135 dB | 132 dB |
| Available Crossover Frequencies | 120 Hz, 150 Hz | 50-120 Hz, 50-150 Hz | 95 Hz, 120 Hz, 150 Hz | 85 Hz / 120 Hz | 90 Hz, 120 Hz | 90 Hz, 120 Hz |
| HF Dispersion | 100° x 100° or 90° x 140° | | 60° x 60° 90° x 40° 120° x 40° 120° x 60° | | Vertical: +0°/-10° (Narrow Mode) or +0°/-25° (Wide mode) Horizontal: 100° | Vertical: Depends on ID84-I Main module configuration and assembly Horizontal: 100° |
| Nominal Impedance | 16Ω | 8Ω | 16Ω | 4Ω | 4 Ω | 4 Ω |
| Recommended Power | 110 to 180 Watts / 16 Ohms (requires a 220 to 360 Watts / 8 Ohms amplifier) | 350 Watts to 550 Watts / 8 Ohms | 200 Watts to 500 Watts | 400 Watts to 650 Watts | 650 to 1080 Watts / 4 Ohms | 650 to 1080 Watts / 4 Ohms |
| | PRODUCT FEATURES | | PRODUCT FEATURES | | PRODUCT FEATURES | |
| Number of ways | 2 ways passive | | 2 ways passive | | 2 way passive | 1 way |
| Components | 1 x Coaxial Neodymium LF 4" long excursion & HF 1.4 diaphragm | 1 x 8" 8 Ohms Long excursion Neodymium driver | LF: 2 x 4" - Long excursion - Neodymium magnet HF: 1" voice coil ½" throat - Neodymium magnet | 1 x 10" Long excursion | LF: 8 x 4" 8 Ohms long excursion Neodymium driver HF: 8 x 1" 8 Ohms HF driver on a patent-pending arrangement | LF: 8 x 4" 8 Ohms long excursion Neodymium driver |
| Narrow/Wide mode selection | | | | | Ruggedized, recessed, waterproof 2 position switch | |
| Connectors | 1 x Cable gland with 2 cores cable | 1 x Cable gland with 2 cores cables | 1 x Cable gland with 2 cores cables | 1x Cable gland with 2 cores cable | Cable gland with 2 x core cable | Cable gland with 2x core cable |
| Rigging points | 1 x M10 on each side for dedicated U bracket + 2 x M6 / 73 mm pitch at the back | 2 x M10 Threaded inserts + 2 x M6 threaded inserts | 6 x 6mm threaded inserts | 4 x M6 inserts M20 flange (T version only) | 2 x pairs of M6 - 70 mm pitch rigging points + 2 x extra M6 | 2 x pairs of M6 - 70 mm pitch rigging points + 2 x extra M6 |
| Construction | Water-resistant Polyurethane | Finnish birch plywood | Water-resistant Polyurethane | Finnish birch plywood | Aluminum body and Magnelis® covers & grill | Aluminum body and Magnelis® covers & grill |
| Finish | Black: Raw sandblasted polyurethane / White: Structural paint | Black or White structural paint | White: Structural paint Black: Raw sandblasted polyurethane | Black structured paint | Black powder coating (RAL9005), White powder coating (RAL9016) or Custom RAL | Black powder coating (RAL9005), White powder coating (RAL9016) or Custom RAL |
| Front Finish | UV & Fire Resistant acoustic fabric fitted Magnelis® front grill | UV & Fire Resistant acoustic fabric fitted Magnelis® front grill | Stainless steel Acoustic fabric, black or white | | UV & Fire resistant acoustic fabric | UV & Fire resistant acoustic fabric |
| Operating temperature range | 0°C - 40 °C (32° F - 104° F) | 0°C - 40 °C (32° F - 104° F) | 0°C - 40 °C (32° F - 104° F) | 0°C - 40 °C (32° F - 104° F) | 0°C - 40 °C (32° F - 104° F) | 0°C - 40 °C (32° F - 104° F) |
| Storage temperature range | -20 °C - 60 °C (-4 °F - 140° F) | -20 °C - 60 °C (-4 °F - 140° F) | -20 °C - 60 °C (-4 °F - 140° F) | -20 °C - 60 °C (-4 °F - 140° F) | -20 °C - 60 °C (-4 °F - 140° F) | -20 °C - 60 °C (-4 °F - 140° F) |
| Height x Width x Depth | 130 mm x 130 mm x 120 mm (5.1" x 5.1" x 4.7") | 305 x 307 x 305 mm (12.0" x 12.1" x 12.0") | 132 x 309 x 23 3mm (5.2" x 12.2" x 9.2") | 285 x 525 x 550 mm (11.2" x 20.7" x 21.7") | 990mm x 150mm x 215 mm (39.0" x 5.9" x 8.5") | 990mm x 150mm x 163 mm (39.0" x 5.9" x 6.4") |
| Weight: Net | 1.7 kg (3.7 lbs) | 8 kg (17.6 lbs) | 6 Kg (13 lbs) | 21kg (47 lbs) | 15 kg (33 lbs) | 14 kg (31 lbs) |
| IP Rating | IP55 | IP54 | IP54 | IP2X | IP54 | IP54 |
| | SYSTEM OPERATION | | SYSTEM OPERATION | | SYSTEM OPERATION | |
| Recommended powering solution for maximum SPL | Up to 2x ID14 per nanoNXAMP4 channel | 1x IDS108 per nanoNXAMP4 channel | Up to 2x ID24 per nanoNXAMP4 channel | 1x IDS110 per nanoNXAMP4 Bridged channels | 1x ID84 per nanoNXAMP4 channel | 1x ID84L per nanoNXAMP4 channel |

As part of a policy of continual improvement, NEXO reserves the right to change specifications without notice.

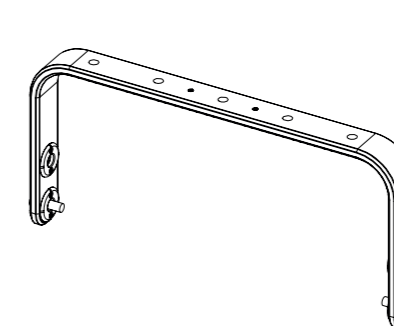
ePS Series Specifications

| | ePS6 | ePS8 | ePS10 | eLS400 |
|---|---|---|---|---|
| WITH NEXO PROCESSING | | | | |
| Frequency Response @-6 dB | 90 Hz to 20 kHz | 80 Hz to 20 kHz | 70 Hz to 20 kHz | 45 Hz to 150 Hz |
| Sensitivity 1W@1m | 98 dB SPL Nominal | 100 dB SPL Nominal | 101 dB SPL Nominal | 102 dB SPL Nominal |
| Peak SPL@1m | 125 dB | 128 dB | 130 dB | 130 dB |
| Vertical Dispersion | +25°/-30° | | | |
| Horizontal Dispersion | 50° to 100° Asymmetrical | | | |
| Crossover Frequency | 90 Hz, 120 Hz | 80 Hz, 120 Hz | 70 Hz, 120 Hz | 45-85 Hz, 45-120 Hz, 45-150 Hz |
| Nominal Impedance | 8 Ω | | | |
| Recommended Power | 310 to 490 Watts / 8 Ohms | 350 to 570 Watts / 8 Ohms | 500 to 800 Watts / 8 Ohms | 450 to 700 Watts / 6 Ohms (requires a 700 to 1000 Watts / 4 Ohms amplifier) |
| PRODUCT FEATURES | | | | |
| Number of ways | 2 ways passive | | | |
| LF Component | 6" 8 Ohms long excursion driver | 8" 8 Ohms long excursion neodymium driver | 10" 8 Ohms long excursion neodymium driver | 1 x Neodymium 12" 6 Ohms long excursion |
| HF Component | 1.4" diaphragm 8 Ohms HF driver on an Asymmetrical Dispersion ("PS") horn | | | |
| Connectors | 2 pairs (In/Out) of 7.62 mm pitch screw terminal blocks (+/- poles) | | | |
| Compatible cables section | Cables from 0.75 mm ² to 3.3 mm ² (AWG 18 to 12) copper section | | | |
| Compatible cables outside diameter | Cable with maximum outside diameter of 9 mm | | | |
| Rigging points | 3x M6 - 70 mm pitch rigging points (back) + 2x extra M6 and 1x M10 (top/bot) | | | |
| Material | 15 mm thick birch plywood body and galvanized grill | | | |
| Finish | Black structural paint (RAL9005 or Custom RAL upon request) | | | |
| Front Finish | UV & Fire resistant acoustic fabric | | | |
| Height x Width x Depth | 365mm x 198mm x 181mm (14.4" x 7.8" x 7.1") | 423mm x 250mm x 227mm (16.7" x 9.8" x 8.9") | 531mm x 316mm x 285mm (20.9" x 12.4" x 11.2") | 365mm x 423mm x 450mm (14.4" x 16.7" x 17.7") |
| Weight: Net | 7.1 kg (15.7 lbs) | 8.1 kg (17.9 lbs) | 14.8 kg (32.6 lbs) | 14.5 kg (32 lbs) |
| Operating temperature range | 0°C - 40 °C (32° F - 104° F) | | | |
| Storage temperature range | -20 °C - 60 °C (-4 °F - 140° F) | | | |
| IP Rating | IP55 | | | |
| SYSTEM OPERATION | | | | |
| Recommended powering solution for maximum SPL | 1x ePS6 per nanoNXAMP4 channel | 1x ePS8 per nanoNXAMP4 channel | 1x ePS10 per nanoNXAMP4 channel | 1x eLS400 per nanoNXAMP4 Bridged channels |

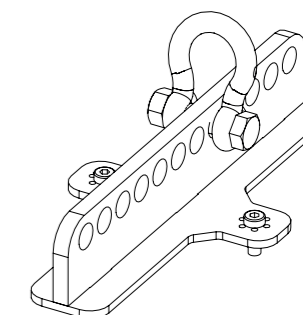
ePS Series Accessories



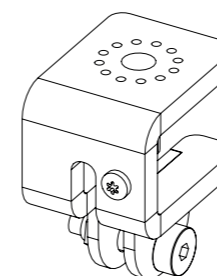
VNI-WM200
VNI-WM280
VNI-WM330
Wall mounting bracket



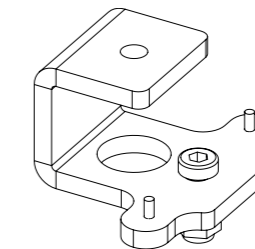
VNU-HBRK365 bracket for ePS6
VNU-HBRK425 bracket for ePS8
VNU-HBRK535 bracket for ePS10
Horizontal mounting bracket



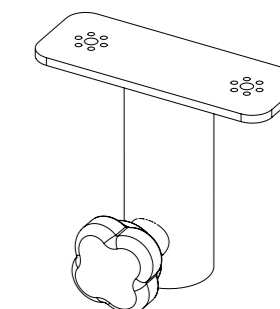
VNU-BUMP
Bumper mount



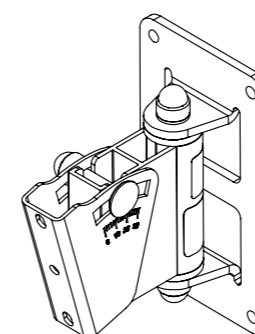
VNI-WMADAPT
Wall mount adapter



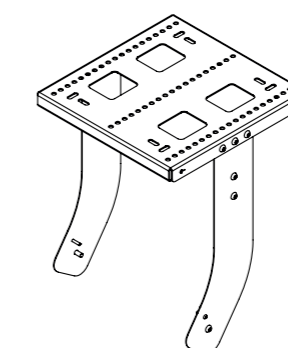
VNI-CLADAPT
Ceiling mount



VNU-PLADAPT
Pole mount adaptor



VNI-WM01
VNI-WM01-OU
VNI-WM02
VNI-WM02-OU
Variable angle wall mount



VNI-VCPL365 (ePS6 under eLS400)
VNI-HCPL425 (ePS8 under eLS400)

*Dimensions are within a tolerance of -0+3 mm

nanoNXAMP4 Specifications

| POWER SPECIFICATIONS FOR nanoNXAMP4 | |
|---|--|
| Number of channels | 4 x amplifiers channels, 2 by 2 bridgeable |
| Max. output power (4 channels mode /4 Ohms load per channel) | 4 x 250 Watts |
| Max. output power (4 channels mode /8 Ohms load per channel) | 4 x 200 Watts |
| Max. output power (4 channels mode /2 Ohms load per channel) | 4 x 250 Watts |
| Max. output power (2 channels mode /8 Ohms load per bridged channels) | 2 x 200 Watts |
| Max. output power (2 channels mode /4 Ohms load per bridged channels) | 2 x 350 Watts |
| Power consumption (Idle) | 20 Watts |
| Power consumption (Standby) | <2 Watts |
| Power consumption (Standby without network) | <0.5 Watts |
| INPUT TO POWER OUT SPECIFICATIONS | |
| Frequency response | +0/-0.25 dB from 20 Hz to 20 kHz |
| Input impedance / Input Sensitivity | 20 KΩ / +13 dBU |
| Dynamic range / TDH + N | >106 dB A-weighted / <0.05% on a flat setup |
| Latency | 1 ms on a flat setup |
| Audio AD and DA Converters | 24 bits @ 48 kHz |
| Processing | 64 bits processing DSPs |
| BACK PANEL FEATURES | |
| Analog audio inputs | 4 x balanced analogue inputs on Euroblock 3.5 mm pitch or unbalanced on RCA |
| Power outputs | 4 x Euroblock 5 mm pitch outputs |
| Digital audio input/output | 1 x SPDIF 2ch input/output on RCA + 1 x Dante™ 4ch input (nanoNX-AMP4-D only) |
| GPIO port | 1 x Euroblock 3.5 mm pitch with 4x Global purpose Inputs and 1 x Global purpose Output |
| Network inputs | 1 x 100 Mb Ethernet port (Remote control) |
| Mains sockets | 1 x IEC C14 socket |
| FRONT PANNEL AND REMOTE CONTROL | |
| Front panel LEDs | 5 x LEDs (WiFi / Network / Output / Input / Status) |
| Remote control | Through 100 Mb Ethernet port or through integrated WiFi (Access Point or client) |
| MAINS REQUIREMENTS | |
| Mains voltage | Universal Power Supply with Active PFC 100 - 240 Volts (50/60 Hz) |
| Power consumption 1/8 max. 4 Ohms | 250 Watts |
| DIMENSIONS AND CERTIFICATIONS | |
| Dimensions and weight | 1U, 1/2 19" Rack, 44.5 x 220 x 296 mm (1.75 x 8.66 x 11.65"), 2.8 kg (6.2 lbs) |
| Electrical safety certification | IEC62368-1 2nd edition and UL62368-1 |
| EMC certification | FCC Part 15 Class B, CAN/CSA-CISPR 22-10, EN55032/CISPR32, EN61000 |
| Green status | Compliant with ROHS & Reach directive |

NEXO loudspeaker systems supported by nanoNXAMP4 and nanoNXAMP4-D

| Speaker | Maximum Per Channel |
|---------|-----------------------|
| ID14 | 2 |
| IDS108 | 1 |
| ID24 | 2 |
| ID84 | 1 |
| ID84 | 1 |
| ePS6 | 1 |
| ePS8 | 1 |
| ePS10 | 1 |
| IDS110 | 1 per bridged channel |
| eLS400 | 1 per bridged channel |

nanoNXAMP4 / 4-D Accessories



NANORK
Rack mounting accessory



NANOWM
Wall mounting accessory



NANORKM-EU Wall PoE Controller Black (EU format) **NANORKM-EUPW** Wall PoE Controller White (EU format) **NANORKM-US** Wall PoE Controller Black (US format) **NANORKM-USPW** Wall PoE Controller White (US format)

NEXO
Parc d'Activité
du Pré de la Dame Jeanne
B.P.5
60128 Plailly
FRANCE
Tel: +33 (0)3 44 99 00 70
Fax: +33 (0)3 44 99 00 30
E-mail: info@nexo.fr



Scan for more information

Deployment of NEXO systems should always comply with current control of noise, hearing protection and manual handling legislation, and NEXO products should always be operated in accordance with their accompanying Operating Instructions.

NEXO NS-1 System Configuration software can be used to predict sound pressure levels and coverage of NEXO systems in a specified venue or setting, also certifying that mechanical constraints are satisfied.

NEXO is a founding member of the HELA initiative (Healthy Ears, Limited Annoyance) that aims to transform the live music and events industry by advancing safe, healthy, and sustainable sound practices through education, research, and collaboration.

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Thinking. Inside the box.

NEXO

A
Yamaha
Group
Company