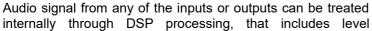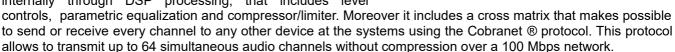# ZES-22
Ref: LDAZES22S02

The digital audio processor ZES-22 is a NEO Series accessory that allows to expand the system adding remotly distributed audio sources and create bigger performance audio installations. Brings a high flexibility level also on size, configuration and great buildings remote locations, only with an Ethernet connection requirement.

It is composed by 4 balanced audio ports that can be configured as inputs or outputs each one apart. Those analog balanced audio inputs/outputs offers excellence performance by using quality A/D and D/A converters. Input sensitivity is also configurable and outputs levels are standardized for 1Vp. Gives an amplified dynamic range, gain control and equalizer.

Audio signal from any of the inputs or outputs can be treated internally through DSP processing, that includes level controls, parametric equalization and compressor/limiter. Moreover it includes a cross matrix that makes possible to send or receive every channel to any other device at the systems using the Cobranet ® protocol. This protocol allows to transmit up to 64 simultaneous audio channels without compression over a 100 Mbps network.

The ZES-22 only occupies ½ rack unit of with. It offers the possibility to unite two ZES-22 in order to have double functionality and occupying just 1 rack unit of width.

In order to connect with ethernet network and NEO systems, ZES-22 provides the latest generation ETX module with 3 RJ-45 ports and a manageable switch integrated, able to connect on several network topologies.

Features ZES-22:

- Manageable Audio Matrix 2x2 / 1x3 / 3x1 / 0x4 / 4x0.
- Audio transfer by COBRANET ® protocol – 48Khz/24bits.
- High performance DSP.
- Dynamic range enhanced with manageable input sensitivity +20db /- 10dB.
- Remote and local supervision and configuration.
- Automatic Gain controller (CAG).
- PHANTOM power supply for microphones.
- Priority audio input aux.
- PrioNet over Cobranet priority channel.
- Process unit designed to be fixed at wall mounting or 19" rack installation. Available accessories.

ZES-22

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Technical specifications:

Model	ZES-22
Reference	LDAZES22S02
Supply	110 - 240V ~ 50/60 Hz
Consumption	<20W
Phantom power supply	12V (in all inputs, configurable)
Frequency response I/O	20Hz-20kHz +/-0,05dB
Input sensitivity	1Vp, 0,707Vrms, 10 KΩ.
Audio input	Analog, 4 x balanced audio 3 Pin, Tipo Euroblock
Sensitivity adjustment	+20dB / 0dB / -10dB
S/N	>94dB @1Vrms
Audio Connectors	Euroblock connector
DSP Resolution	48kHz 24bits
GPIO	16 I/O configurable TTL 5V
Ethernet y Cobranet Interface	2 x RJ-45. Redundant
ATT output	24V 40mA, monitored and protected
Weight	1Kg
Processing unit dimensions	218 x 155 x 42mm (1U height, width ½ rack unit)

Mechanical dimensions