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Link do produktu: https://www.ecaraudio.eu/esx-ql812sp-p-1455.html

ESX QL812SP - procesor DSP 12-kanałowy

Twoja cena zakupu brutto (z VAT)	**4 690,00 zł**
Cena netto	**3 813,01 zł**
Dostępność	**Dostępny na zamówienie - termin ustalany indywidualnie tel 600-480-210**
Kod produktu	**ESX QL812SP - sztuka**
Producent	**ESX**
Dostępność	**NA ZAMÓWIENIE**

Opis produktu

With the two processors QUANTUM QL, ESX shows what real high-end DSPs can do. Even the equipped components are the finest: not only that audiophile 32-bit converters from AKM's 5-series were installed, two of the ADAU1452 and thus the best processors from Analog Devices are used. This is exactly where the wheat is separated from the chaff: Conventional DSPs usually only have one DSP core. However, if a DSP has many channels and the corresponding equipment, computing power becomes scarce. Not so with the new ESX top models, on the contrary. The two QL-DSPs have so much reserve that they can easily process not only 12 channels, but the developers also implemented the revolutionary ESX Expert Staging Equalizer with balance and level function, which enables further refinements in fine tuning, in addition to numerous functions. Thanks to the integrated Bluetooth receiver, the app version of the ESX DSP Toolkit can be used live and in real time from your smartphone - including HD audio streamingThe RC-DQ LCD remote control, which is available as an accessory, offers additional ease of use.

A powerful ARM Cortex® M4 High Performance CPU with 240 MHz and internal 1024 kB flash memory takes care of command processing. This is the only way to work in real time with maximum performance. With the new QL812SP, ESX is now also cementing its high standards in the area of high-end DSPs: In the test review in the specialist magazine Car & Hifi 3/2022, the QL812SP was so convincing that the test editors not only classified it as a highlight, but also immediately as the best DSP "below 2000 Euros". This is outstanding insofar as it is only available for 1000 euros.

Test conclusion: „With the QL812SP, ESX has made a big splash. It leads the way with its finest hardware and the new software is a big step forward with powerful audio capabilities. If you add the generous equipment including Bluetooth and APP, the QL812SP for sound freaks is the most attractive DSP on the market below 2000 Euros." (Elmar Michels, Test Editor)

Features

- Analog Devices™ ADAU1452 Dual 2 x 32 Bit Processor, 294 MHz, Full HD Audio 96 kHz
- AKM Velvet Sound™ Series 5 Signal Converter, A/D 32 Bit, D/A 32 Bit
- HPF/LPF/BP @ 6-48 dB, Phase Shift, Time Correction 0 ~ 20 ms/0.01 ms steps
- Input Mixer, Subwoofer Control, Priority Input Mode for digital Sources
- Input Sensitivity: Low Level 1 ~ 6 V/RMS, High Level 1 ~ 15 or 15 ~ 45 V/RMS

- Signal-to-noise Ratio (A-weighted): ignal-to-noise Ratio (A-weighted) 111 dB, Digital Input 117 dB
- Total Harmonic Distortion: ignal-to-noise Ratio (A-weighted) <0,001%, Digital Input <0,0004%
- Integrated Bluetooth® Receiver (incl. Antenna) for DSP control via App and Fully HD Audio Streaming Bluetooth-Version 5.0, Profiles: A2DP/AVRCP, Codecs: aptX, aptx LL, aptX HD, AAC, SBC
- REM OUT function for external devices, MODE switching input for e.g. convertible tops (Preset Auto Switch)
- Optional Accessories: RC-DQ (LCD Remote Controller)

Parametry

Specifications

Digital 12-Channel Sound Processor

8 x RCA Input, balanced

8 x High Level Input with EPS PRO up to 40 V/RMS (via Molex)

1 x Optical Stereo Input, S/PDIF 192 kHz, 24 bit

1 x Coaxial Stereo Input, S/PDIF 192 kHz, 24 bit

1 x Bluetooth® Stereo Input via Audio Streaming

1 x USB Type B Socket for PC Software

1 x RJ45 Input for Remote Controller

12 x RCA Output @ 6 V RMS (THD+N