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NAIM DAC V1

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Šifra: 10199
Kategorija prozivoda: DAC-ovi
Proizvođač: Naim

Cena: 143.880,00 rsd

Audio

Inputs

Digital	5 x S/PDIF: - 1 x coaxial BNC - 2 x coaxial RCA - 2 x optical TOSLINK
USB	1 x asynchronous USB (type B socket)

Audio Outputs

Analogue	2 (RCA and DIN) Variable Pre-amp Output, Line Output Fixed: 2.1V RMS
Output Impedance	<10Ω
Line Output	Variable or 2.1V RMS fixed
Load Impedance	10kΩ (min)
Headphone Output	1⁄4 inch (6.35mm) TRS Socket
Frequency Response	10Hz – 20kHz, +0.1/-0.5dB
THD	<0.002%

Connectivity

Remote Control	Infra Red (RC5)

Sample Rates Supported

S/PDIF	32kHz - 192kHz (up to 24bit)
USB	44.1kHz - 384kHz (16 to 24bit)

User Control

Front Panel	Front panel buttons and touch-sensitive logo mute function
IR Input	Front panel
Handheld	Remote handset

Operating System

Windows	Windows 7 and 8 (up to 24bit/348kHz), Custom driver available
Mac OSX	OSX 10.7 and above (up to 24bit/384kHz)

Power

Supply Voltage	115V or 230V, 50 or 60Hz
Power Consumption	

Physical

Dimensions (HxWxD)	87 x 207 x 314 mm
Weight	4.3 kg
Supplied with	Remote handset included

Features

- High-speed asynchronous USB input up to 24bit/384kHz
- Selectable fixed or variable analogue outputs (DIN or RCA)
- Single-ended class-A headphone amplifier output
- Five S/PDIF inputs for digital sources like games consoles, set top boxes and hard disk servers
- Naim digitally controlled analogue volume control for performance and precision 40bit SHARC DSP chip handling filtering and oversampling

Technology & Craft

Asynchronous USB Explained

Digital audio isn’t just about the data – 0s and 1s – and ensuring that each sample value is accurately converted into a corresponding output voltage. Also vital to achieving the highest fidelity is ensuring that each successive sample is reproduced at a precise time interval from those around it. If that time interval varies – an effect known as jitter – then the output waveform will be distorted. To prevent this, the master clock that controls the process should, ideally, be placed right next to the digital to analogue converter circuitry, not remote from it. Asynchronous mode USB provides for this because it allows data to be ‘pulled’ from the source as required, whereas in other modes the data is ‘pushed’ down the interface under control of the far inferior and distant clock in the computer.

World class headphone amplifier

The single-ended Class-A headphone amplifier of the DAC-V1 cleverly uses the pre-amp output amplifier for headphone drive. The moment headphones are plugged in, the output current drive is automatically turned up five times to give dynamic drive for all headphone impedances. The amplifier runs from a high voltage power supply so has the ability to drive high impedance headphones with the voltage swing they require for open and dynamic sound. The result is the audio stages are kept as simple and pure as possible for both normal and headphone modes.