Affordable Reference Class DAC Designed For Studio Professionals

Introduction

With its AES and XLR outputs and decoding capability of PCM 384K & DSD256, the NuPrime DAC-9 is a reference-class DAC designed for studio professionals. With four digital and one analog stereo inputs, the DAC-9 is a full-featured DAC and preamp ideally suited for high-end systems.

A Reference LE Class Preamp

To meet the requirement of customers who want to eliminate extra components in their system, a high-end preamp capable of driving the power amplifier directly is an essential part of the design. The DAC-9 includes features borrowed from traditional high-end preamps:

- Advanced, FPGA implemented switched-resistor ladder network for controlling volume, i.e., a single resistor in the signal path at any volume setting.
- Individually adjustable volume on each input for precise source level matching.
- Volume adjustment in 99 precise, 0.5dB increments.

The Heart

As the heart of an audio system, the DAC-9 supports an extensive number of inputs and formats. Utilizing one of the world's best performing 32-bit audio DACs, the AK4490, EQ is only a first step for designing the ultimate DAC. State-of-the-art solutions, readily available to all vendors, along with the experience and proprietary know-how in creating many Editor's Choice and Product of The Year award-winning products elevate the NuPrime DAC-9 well above the competition.

Several notable features:

- NuPrime SRC IC chip provides FPGA processing where Input signals are up-sampled to mega hertz before down converted to the targeted sampling rate with ultra-low jitter and distortion.
- A proprietary NuPrime implementation that is also capable of decoding DoP formats via coaxial and optical inputs (to support NuPrime Omnia portable device that are able to output DoP stream in addition to S/PDIF).
- NuPrime vibration-free isolation feet (patent pending*)
- Extension port for Bluetooth dongle and WiFi audio streaming (optional)
- Full microprocessor control with memory retention