

Data Acquisition System (DAC) — Spec Sheet

Overview

The Nucleolenz Data Acquisition System is designed for efficient and precise data collection. It features an 8-channel, 24-bit sampler operating at 100 KSPS, high-speed USB 2.0 communication, and companion software for graphing and data export. The system also includes an 8-channel DAC with adjustable square-wave output up to 25 kHz.

Technical Specifications

Parameter	Value
Communication	USB 2.0 High-speed
Sampling	24-bit, 100 KSPS
Channels	8 simultaneous
DAC Output	8x, up to 25 kHz square-wave, adjustable

Features

- 8-channel simultaneous sampling
- 24-bit resolution at 100 KSPS
- High-speed USB 2.0 communication
- Companion software for graphing and data export
- 8-channel DAC with adjustable square-wave output up to 25 kHz

Intended Industries / Applications (Typical)

Note: The product page does not list specific industries. The following are typical DAQ use cases and should be confirmed for your target market.

- Electronics R&D and prototyping
- Embedded systems development
- Industrial instrumentation and control
- Academic labs and teaching
- Manufacturing test and QA

Specialities

- High-resolution, multi-channel data capture
- Simultaneous sampling across 8 channels
- Integrated ADC + DAC in one system
- Easy data visualization and export via companion software

Product Images





