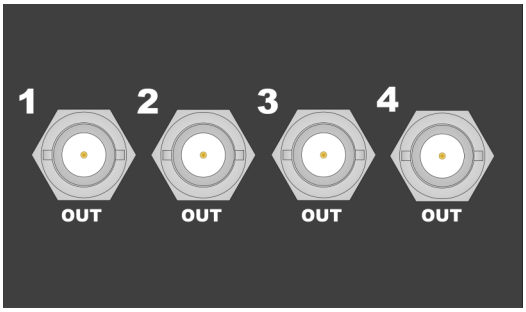
DATS Measurement Card

8X24 4ch DAC, Digital IO

Key Features

- **4 analog DAC output channels**
- **48k samples/second/channel maximum output**
- **Digital interpolating filter**
- **Optional digital IO with 8 in & 8 out**



The **8X24 DAC** card, often known as an analog output card, is ideal for situations where analog replay of signals is required. Traditionally, it is used in applications such as modal analysis or general noise and vibration analysis. Analogue output is most often used where single or multi-point shaker excitation is required. Captured or various generated signals can be replayed as analog voltages at optimal sample rates.

A selection of optional front panel configuration offers either **four DAC outputs or digital IO only**. These options offer greater flexibility and integration with other systems.

All of the 8xxx modules are designed around Prosig's proprietary **ProSync** architecture. ProSync technology guarantees that all of the measurement channels in each module and all of the modules in the system synchronise their data precisely. ProSync works whether there is a single chassis or multiple interconnected Prosig systems. This ensures that you can have full confidence in your data and results.

This card can be fitted to:
DATS-tetrad (8624)
DATS-hyper12 (8524)
P8048 (8524)
P8012 (8424)

Description	4ch DAC or Digital IO
Option 1 - 4ch DAC	
Analogue output channels	4
Digital input channels	0
Digital output channels	0
24-bit sample rate *	48k
Analog output range	±4V
Digital output range	n/a
Connector	4 x BNC
Power usage (worst case)	1.8W
Option 2 - Digital IO only	
Analogue output channels	0
Digital input channels	8 TTL
Digital output channels	8
24-bit sample rate *	n/a
Digital output range	TTL compatible
Connector	2 x 9-way D-type
Power usage (worst case)	1.8W

* All sample rates are specified in number of samples per second per channel

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