



## DATASHEET

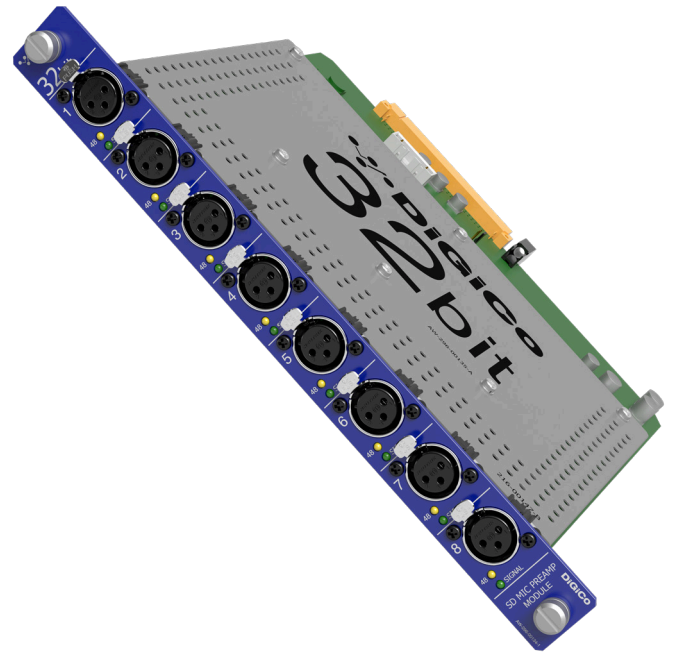
# 32-Bit Mic Pre-Amp

*The ultimate 'Stadius' Mic Pre-Amp*

## KEY FEATURES

The DiGiCo 32-Bit Mic Pre-Amp is an option card to add 8 high quality microphone preamps to selected DiGiCo products. This pre-amp uses the latest analogue-to-digital converter (ADC) technology available, combined with 50 years of analogue expertise.

- Fully differential audio path from input to converter
- Twin 32-bit ADC conversion per channel
- Lightning quick conversion time; 73µs
- Dedicated analogue, ultra-low noise linear power supplies; including +48V phantom power
- Fully shielded analogue stage
- Roadworthy metal XLR connectors



## WORKSURFACE

8 x XLR Mic/Line Inputs

## SIGNAL PROCESSING

8 Microphone Preamps

-20dB to +60dB Gain Control per channel

+48V Phantom Power per channel

## OPTIONS

Compatible With: SD-Rack / SD MINI-Rack / SD NANO-Rack / 4REA4

## DiGiCo SD-Range

The SD-Range caters for everything audio: be it the biggest rock and roll show on the planet, a crucial global broadcast, the most sizeable House of Worship application, or an intimate theatre performance, there is an SD console that will tick the box.

Powerful. Versatile. Smart. Desirable.

## A&E SPECIFICATION

The DiGiCo 32-Bit Mic Pre-Amp shall allow 8 microphone preamps at both 48kHz and 96kHz with 32-bit digital to analogue conversion. The front plate of the 32-Bit Mic Pre-Amp shall have 8 XLR inputs. When inserted into a rack or a 4REA4, the user shall have control over the gain (-20dB to +60dB) and phantom power on each channel from either the console or software control of the rack. All controls shall be integrated into the console's channel strip.

The dimensions of the 32-Bit Mic Pre-Amp shall be: 30.6 (w) x 284.5 (d) x 295 (h) mm

The weight of the 32-Bit Mic Pre-Amp shall be: 920g

### PHYSICAL

Dimensions: 30.6mm (w) x 284.5mm (d) x 295mm (h)

Weight: 920g

Product Code: MOD-SDR-ADC32B

### AUDIO SPECIFICATIONS

Sample Rate: 48kHz or 96kHz

THD+N (0dB @ 1k): <0.002%

Dynamic Range A-D: 123dBA

Noise A-A (20Hz - 20kHz): -90dBu

Noise A-D: -120dBFS

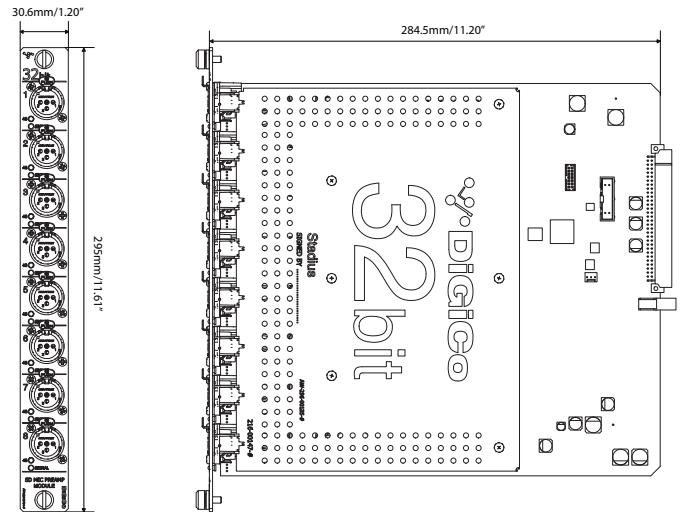
EIN (0dB Gain): 128dB

A-A Frequency Response (20Hz-20kHz):  $\pm 0.15$ dB

A-D 48k Frequency Response (20Hz-22.5kHz):  $\pm 0.1$ dB

A-D 96k Frequency Response (20Hz-44.5kHz):  $\pm 0.1$ dB

CMRR @ 1kHz: 77dB



### DiGiCo HQ

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