V1632 & V1632S

Dual Stereo Audio DAC

FEATURES

- Automatic 32, 44.1, 48kHz lock
- 20-bit conversion
- Balanced / Unbalanced AES option

AES DIGITAL AUDIO TO ANALOGUE AUDIO

The V1632 DAC module converts two AES digital audio inputs to four analogue audio outputs with 20-bit precision. The V1632S is identical, but only supports conversion of one AES input. Operation is automatic for 32, 44.1 and 48kHz sampled AES inputs. Fully compatible with DART remote control interface and ViewFind.

V1632 & V1632S

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Technical Specification

Digital Audio Inputs

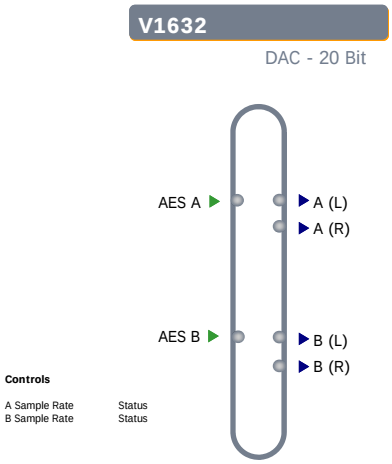
Number	V1632: 2 AES channels V1632S: 1 AES channel
Format options	AES3-1992 or AES3id-1995
Input synchronisation	Inputs may be asynchronous
Impedance options	110 ohm balanced screw terminal or 75 ohm unbalanced BNC
Cable drive length	250m

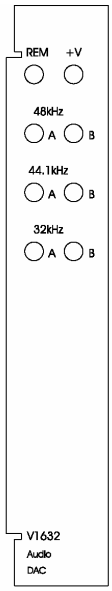
Analogue Audio Outputs

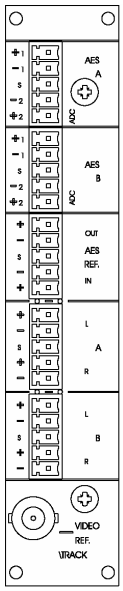
Number	V1632: 2 channel pairs (4 mono inputs) V1632S: 1 channel pair (2 mono inputs)
Max input	12dBu to 24dBu in 1dBu steps: 0dBFS
Impedance	<50k ohm
Format	Balanced (screw terminal connectors)

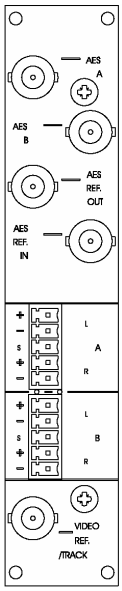
Conversion (quoted performances are typical)

Conversion rates	32, 44.1 or 48kHz Inputs need to have the same sampling rate
Resolution	24 bit
Dynamic range	98 (IEC A)
THD+N	<-85dB (-1dBFS, 20Hz-20kHz, IEC A
Frequency response	20Hz-20kHz –0.25dB (-18dBFS input)
Test tone	None
Minimum throughput delay	0.6ms
Adjustable fixed delay	None









Ordering Information

V1632	Dual Stereo Audio ADC
V1632S	Single Stereo Audio ADC

All Pro-Bel's quoted prices for interface modules include the supply of one suitable rear module. Both V1632 and V1632S modules use the same rear connectors. Please specify type required when placing order.

V16AR3A	3RU (balanced)
V16AR3J	3RU (unbalanced)
V16AR1A	1RU (balanced)
V16AR1J	1RU (unbalanced)

Note: Special versions of the rear module are available on request, including D type connectors for audio signals.

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