

# V1631 & V1631S



## Dual and Single Stereo Audio ADC.



The V1631 ADC module provides conversion of two analogue channel pairs to the AES/EBU format while the V1631S module is identical but with only one analogue channel pair. Audio sampling rates of 32, 44.1 and 48kHz are user selectable. Test tone is independently selectable for AES A and AES B outputs. Provision is made to lock to analogue black & burst video or a digital audio reference. Fully compatible with DART remote control interface and ViewFind.

### FEATURES

- 32, 44.1, 49kHz sampling
- AES & Video reference
- Test tone
- 20/24-bit selectable conversion

# Technical Specification

## ANALOGUE AUDIO INPUTS

Number	V1631: 2 channel pairs (4 mono inputs) V1631S: 1 channel pair (2 mono inputs)
Max input Impedance	12dBu to 24dBu in 1dBu steps: 0dBFS 20k ohm
Format	Balanced (screw terminal connectors)
Common mode rejection	>70dB (20Hz–20kHz)

## ANALOGUE AUDIO OUTPUTS

Number	V1631: 2 AES channels V1631S: 1 AES channel
Format options	AES3-1992 or AES3id-1995
Impedance options	110 ohm balanced screw terminal or 75 ohm unbalanced BNC
Cable drive length	250m

## REFERENCES

### Analogue Video (48kHz sampling only)

Signal	NTSC/PAL 1Vp-p composite colour black
Connector	BNC
Input impedance	75 ohm or Hi-Z (link selectable)

## Digital AES

Signal	AES3-1992 or AES3id-1995
Input impedance	110 ohm / 75 ohm or Hi-Z (link selectable)
Sample frequency	32, 44.1 or 48kHz

## CONVERSION

(quoted performances are typical)

Conversion rates	32, 44.1 or 48kHz
Resolution	24 bit
Dynamic range	103dB (IEC A)
THD+N	< -90dB (-1dBFS, 20Hz-20kHz, IEC A)
Frequency response	20Hz-20kHz -0.1dB (0dBu input)
Test tone	1.000kHz at -18dBFS (per channel pair selectable)
Minimum throughput delay	2.4ms
Adjustable fixed delay	None

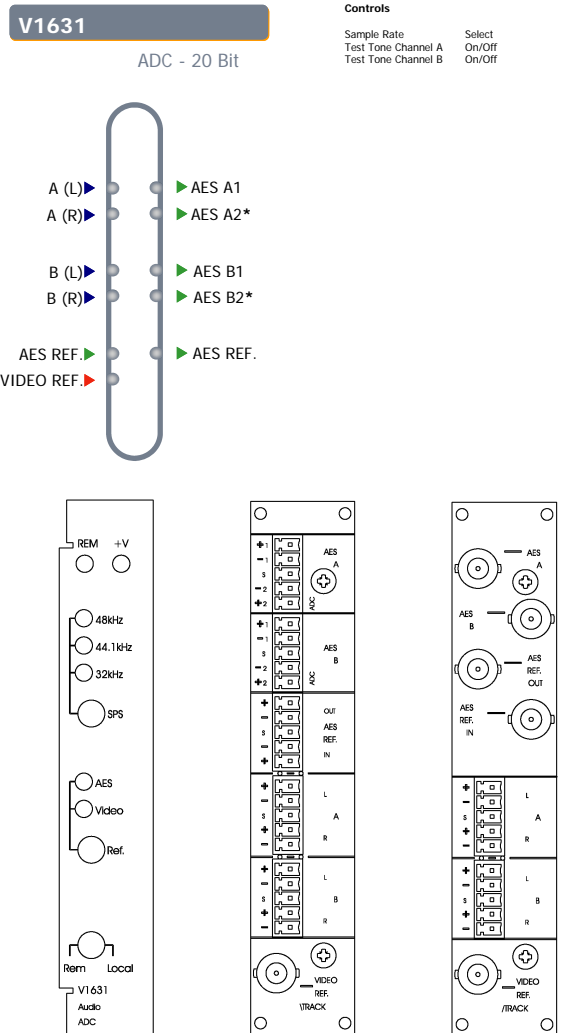
## Ordering Information

V1631	Dual Stereo Audio ADC
V1631S	Single Stereo Audio ADC

All Pro-Bel's quoted prices for interface modules include the supply of one suitable rear module. Both V1631 and V1631S 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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