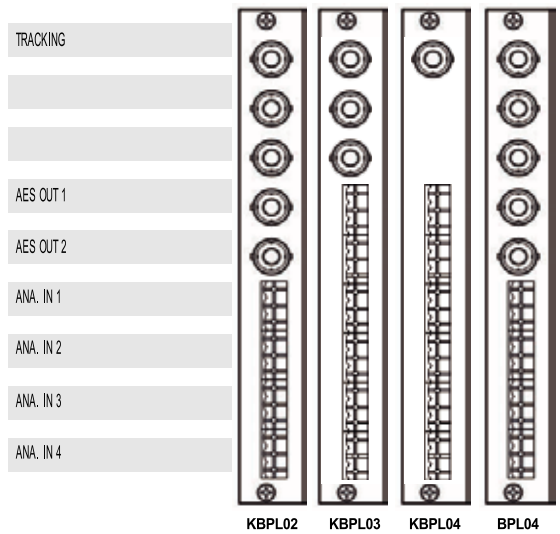


KADC24
4 channel 24-bit audio A/D converter with AES/EBU bypass input

Features

- 24-bit audio conversion
- Any input to any output selection (This can be a mix of analog and digital signals)
- 96kHz and 48kHz sample clock locked to: B&B ref or word clock ref. (In ADD-ON, only 48kHz)
- 96kHz and 48kHz sample clock in free running mode (In ADD-ON, only 48kHz)
- Available with 110 Ohm (phoenix or sub-D) or 75 Ohm (BNC) AES/EBU
- In- and output analog reference levels adjustable for 12, 15, 18 and 24dBu
- Adjustable audio gain (in 0.25dB) and phase (0-180 deg)
- Can be used as a ADD-ON card
- Adjustable audio delay offset up to 1300ms in 1ms increments (at 48kHz)
- Tracking audio delay on dedicated BNC input
- 1kHz tone generator
- Full control and status monitoring through the front panel of the KSFR08/18 frame and the Ethernet port (ACP)



Specifications

Analog audio input

Type	Balanced analog audio
Number of input	4
Connector	Removable terminal strip or female sub-D
Impedance	10K Ohm nominal (differential)
Sampling rate	48KHz
Signal level	0dB FS => 12dBu, 15dBu, 18dBu or 24dBu
Level control range	+12dB to -60dB 0.25dB increments
Frequency response	< ±0.1dB, 20Hz to 20kHz (broadcast quality)
Dynamic range	100dB @-60 dBFS
THD+N	< 0.002% (>96dB) @ 1kHz, -1dB FS
CMRR	< 0.002% (> 96dB) @ 20Hz to 20kHz, -1dB FS > 60dB at 1kHz

AES audio output

Number of output	2
Connector	BNC, Screw terminal or female sub-D(balanced)
Resolution	24 bit
Sampling rate	48KHz synchronous
Minimum input/output delay	2.5 ms
Maximum input/output delay	1.300 ms

Miscellaneous

Weight	250g
Operating	0°C to +50°C
Dimension	137x296x20mm (HxWxD)

Electrical

Voltage	+24V to +30V
Power	<11 W