

AES201

AES / EBU to analogue audio converter

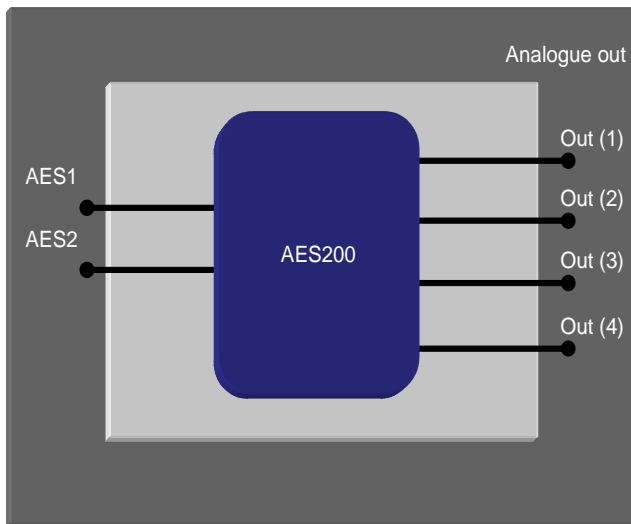
INSERTERS

SWITCHES

CONVERSION

KEYERS

MIXERS



20 bit resolution

Multi-frequency locking

Four channel output



The AES201 is designed to convert AES/EBU digital audio into four channels of balanced analogue audio. The conversion is performed to 20 bit resolution. The sample clock is locked to the AES digital audio stream. It is capable of auto locking to any of the standard audio frequencies such as 48KHz, 32KHz, or 44.1KHz. The AES201 is can be used with our DMX200 digital audio demultiplexer. This will then allow four channels of analogue audio to be produced from Serial Digital Video (270Mb/s). The AES201 is part of our Series 200 range of interface produces. These can be mounted in a 1U or 3U frame.

MicroVideo

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Technical Information

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|-----------------------|--|
| Inputs: | 2 x AES/EBU digital audio as described in EBU Tech 3250-E (or AES-3-1992) |
| Outputs: | 4 x differential, line level, analogue outputs. Level : 0dBFS(digital) = +18dBu (analogue) |
| Control: | On board links allow input AES to be 110R balanced, 75R balanced or high impedance for looping systems. The output level is factory set but can be adjusted via potentiometers on the board. LED's indicate AES/EBU input 1 present and AES/EBU input 2 present. |
| Specification: | Conversion is performed by 128x oversampling, to 20 bit resolution. THD+N -97dB approx Dynamic range 105dB approx Passband ripple 0.005dB (20Hz - 21.7KHz) Stopband attenuation -75dB (26.3KHz) Crosstalk at conversion 100dB (20 - 20KHz) |
| Physical: | Eurocard size module for mounting in our 1U or 3U frames. |
| Power usage: | 5W. |
| Frames: | Up to 6 modules will fit in a Microvideo 1U frame and 15 in a 3U frame. |
| Ordering: | AES201 Audio D to A, 2 x AES/EBU in, 4 x analogue audio out FR1U-20 1U rack mounting frame for series 200 cards (dual PSU) FR3U-10 3U rack mounting frame for series 200 cards (single PSU) FR3U-20 3U rack mounting frame for series 200 cards (dual PSU) -CB Control Bus wiring for 3U frame |

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