

DAC-8516

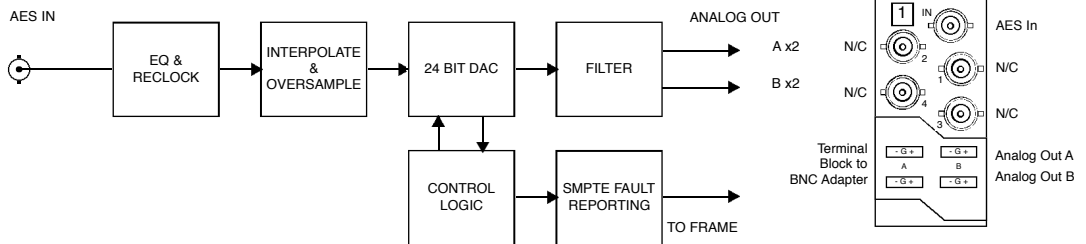
AES / EBU to Analog Audio Converter

Program stream AES / EBU to analog audio conversion with 24-bit DAC resolution.

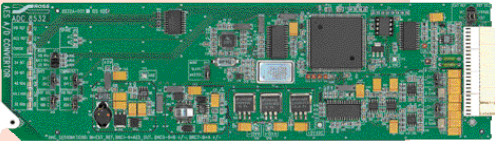
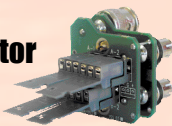
The RossGear DAC-8516 AES / EBU to Analog Audio Converter is a broadcast quality modular product used to convert 20 or 24-bit AES-3id (coaxial) signals to analog audio. The DAC-8516 accepts one 32, 44.1 or 48 kHz sample rate unbalanced AES signal and provides two outputs of stereo (A, B) analog audio.

Digital AES / EBU audio is input through a BNC connector on the rear of the frame. The signal is auto-equalized, relocked and then converted to analog audio using a state-of-the-art 128X oversampled Delta Sigma Modulator. Two identical copies of the signal are output via the plug-on module BNC to terminal block adapter. Input signal and internal processing errors are detected and reported on the SMPTE 269M fault reporting bus. Error presence is displayed on a card-edge LED.

A combination of Headroom jumper (18dB or 24dB) and Level Adjust potentiometers (+/-6dB, one for each channel) provide an output level range of +12 dBu to +27 dBu. Auto-detection Digital De-emphasis is available for all data rates.



Rear frame plug-on connector



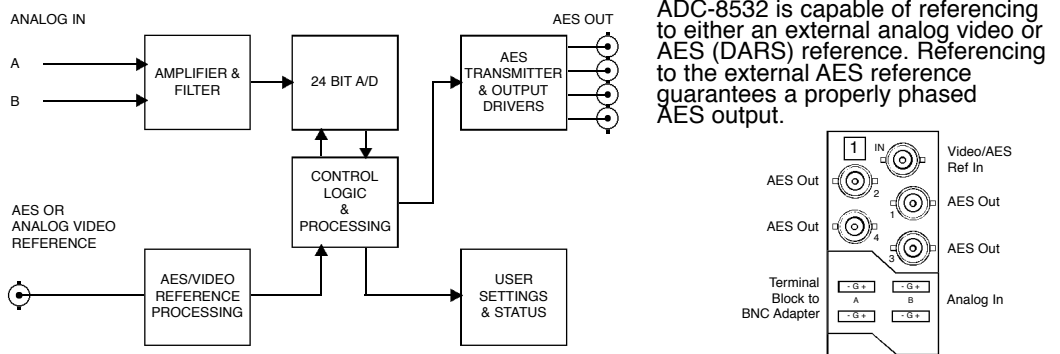
ADC-8532

Analog Audio to AES / EBU Converter

A 24-bit analog to AES / EBU converter. Perfect for broadcast stream conversion applications.

The RossGear ADC-8532 Analog Audio to AES / EBU Converter is a broadcast quality modular product used to convert analog audio to 20 or 24-bit AES-3id (coaxial) signals. The ADC-8532 accepts one stereo (A, B) analog audio input and outputs four unbalanced AES signals at 32, 44.1 or 48 kHz sample rates.

The balanced analog audio signal is input through a terminal block to BNC adapter module on the rear frame. Infinitely variable input level adjustments from +14 to +30 dBu are available for the input analog audio signal. The A to D converter uses a state of the art 256X oversampling delta sigma modulator and filtering circuit to produce four identical high-quality AES streams. Reference signal or processing errors are detected and reported on the card-edge LEDs.



For 48 kHz AES, the RossGear ADC-8532 is capable of referencing to either an external analog video or AES (DARS) reference. Referencing to the external AES reference guarantees a properly phased AES output.

Rear frame plug-on connector

