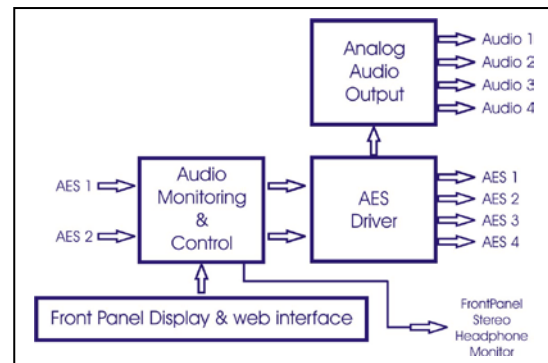




**Features**

- Supports incoming AES sampling rates (8 to 96KHz)
- Input failure switching
- ADAC-3000 & ADAC-3100
  - Dual balanced AES inputs
  - 4 output AES DA
  - Dual analogue audio outputs
- ADAC-3010 & ADAC-3110
  - Dual un-balanced AES inputs
  - 4 output AES DA
  - Dual analogue audio outputs
- High quality 24-bit Analogue audio outputs
- Channel swapping, phase inversion, muting & amplitude control
- Internal test tone generator
- Front panel stereo headphone monitoring (3.5mm stereo socket)
- Graphical Front Panel (ADAC-3100 & ADAC-3110)
- Web based monitoring & control (ADAC-3100 & ADAC-3110)



**Description**

The Digital Audio DA + DAC combines a AES distribution amplifier with a high quality digital to analogue converter. The DA is also capable of performing audio processing, including pair swapping, channel attenuation, phase shifting, muting, test tone insertion etc. Detection and alarm routines such as silence & audio level are also possible. The optional front panel or web control allows control over audio processing functions.

**Specifications**

**Electrical Inputs (ADAC-3000 & ADAC-3100)**

Number of Inputs	2
Data Rate	8-96Kbps
Standard	AES3
Signal Amplitude	0.2 to 7 Vp-p
Re-sampling	optional 48KHZ (free running or locked to input 2)
Equalisation	>200m high quality 110 ohm balanced shielded cable
Impedance	Balance 110 ohm
Connectors	Three pin Phoenix

**Electrical Inputs (ADAC-3010 & ADAC-3110)**

Number of Inputs	2
Data Rate	8-96Kbps
Standard	AES3
Signal Amplitude	200mV minimum
Re-sampling	optional 48KHZ (free running or locked to input 2)
Equalization	>500m 75 ohm (Belden 8281)
Impedance	Un-balanced, 75 ohm
Connectors	BNC Female

**AES Electrical Outputs**

Number of Outputs	4
Signal level	4 Vp-p +/- 1 Vp-p
Impedance	110 ohm balanced
Connectors	Three pin Phoenix

**Analogue Audio Outputs**

Number of Outputs	4 (two stereo pairs)
Resolution	24-bit @ 48KHz
Frequency Response	20Hz- 20KHz +/- 0.1dB
THD+D	> -100dB
Dynamic range	>110dB
Reference Level	+24dBu (0dBFS)
Impedance	40ohms
Connectors	Three pin Phoenix

**Headphone Monitor Output**

Number of Outputs	1 front panel monitor
THD+N	Typically 0.1% @ 1KHz
Signal level	120mW maximum into 32ohms
Impedance	low
Connectors	3.5mm stereo socket

**Alarm & Control Interface**

Graphical front panel display (AUDC-3100 & AUDC-3110)  
 Embedded Web server with 10/100 UTP Ethernet (AUDC-3100 & AUDC-3110)  
 RJ45 UTP on rear assembly  
 Major & minor alarm relay contacts (rear assembly)

**Compatibility**

Compatible with all SBC modules supporting digital video interfaces  
 Compatible with SBC 3RU, 84HP Eurocard frame  
 Compatibility with third party frames upon request.

**Compliances**

CE; UL; C-Tick  
 RoHS Compliant Directive 2002/95/EC

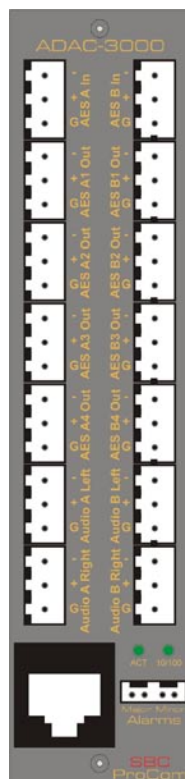
## Ordering Information

- ADAC 3000 (Dual balanced AES inputs)
- ADAC 3010 (Dual un-balanced AES inputs)
- OLED front panel & web server
  - AUDC 3100 (Dual balanced AES inputs)
  - AUDC 3110 (Dual un-balanced AES inputs)

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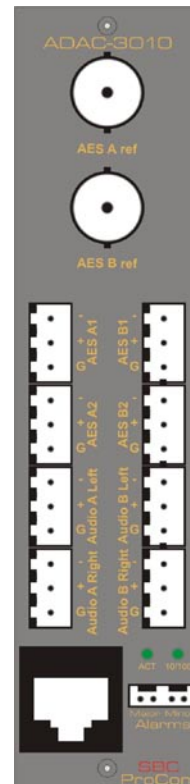
Front



Rear



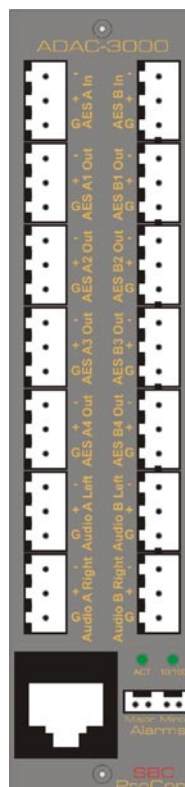
Front



Rear



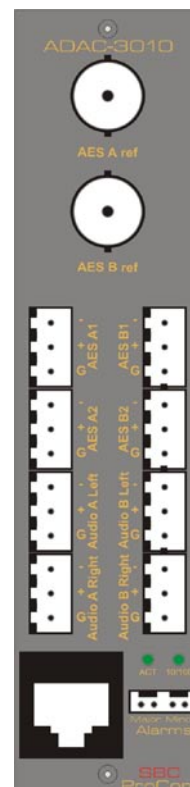
Front



Common Rear



Front



Common Rear