MediaBlox™
4412 SDI to universal analogue DAC

KEZVALE LTD
Broadcast Equipment Manufacturers
for Over 40 Years

Features

- SDI to universal analogue DAC
- Composite, component YUV, RGB(S) & YC outputs
- 270Mb/s 525/625 operation
- 10-bit DAC
- Built in colour bar generator
- Compact and rugged design
- Locking connector for PSU

Control switches

- PAL/NTSC 625/525 standard
- Composite/YUV/RGB/RGBS or YC output
- Test pattern output
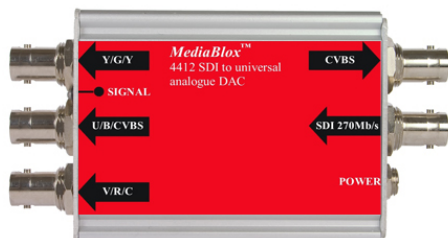
Description

The 4412 is a monitoring quality 270Mb/s SDI to universal analogue converter.

The analogue output is set to YUV & composite (CVBS), RGB & CVBS, RGBS, or YC & CVBS via switches on the end of the unit. These switches also control the output of a built in colour bars test pattern.

It is housed in an extremely compact and rugged aluminium case ideally suited to both studio and portable applications.

www.kezvale.co.uk

Specifications

SDI input	
Standards	SMPTE 259M 270Mb/s 525/625 SDI
Connector	75Ω BNC
Signal level	800mV p-p ±10%
Return loss	>18dB to 270MHz
Cable equalisation	Up to 100m automatic (Belden 8281)
Analogue output	
Standards	PAL (B, D, G, H, I), PAL M, NTSC USA & Japan
Format	Composite, YUV, RGB(S) & YC
Connector	75Ω BNC
Signal level	1Vp-p ±10%
DC offset	±100mV
Return loss	36dB to 5MHz
Test pattern	75% colour bars (SDI input required)

Performance	
Frequency response	Flat to 5.5MHz, -3dB at ≈ 6MHz
Differential gain	<0.3%
Differential phase	<0.5º
Delay	<10nS
Input	8-bit 4:2:2
Quantization	10-bit DAC
Power	
Voltage	6-12V DC
Current	350mA at 6V
Power connector	Locking 2.5mm jack connector (centre +ve)
Other	
LED	Shows power and signal presence
Temperature range	0˚C to 40˚C
Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	180g

Ordering information

4412	SDI to universal analogue DAC	4006	Desktop power supply with IEC320 C14 inlet
4010	1U rack mounting frame for up to 5 units including PSU		

We reserve the right to change technical specifications without prior notice. E&OE.