

# DTL MiniBlox<sup>TM</sup>



## 4412 SDI to universal analogue DAC



### 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.

### 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

[www.miniblox.com](http://www.miniblox.com)

### 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	<0.5°
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.

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