



### Description

The 4426 is a broadcast quality 270Mb/s SDI to universal analogue converter.

It has a re-clocked SDI output. 625 or 525 line SDI is automatically detected. Switches on the end of the unit select composite, component YUV/RGB or YC output; SMPTE/EBU or Beta component levels, pedestal, colour bar output and blanking of the vertical blanking information.

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, RGB or YC outputs
- SMPTE/EBU or Beta component levels
- Automatic 270Mb/s 525/625 detection
- 4x over-sampling
- 10-bit DAC
- Automatic input cable equalisation to over 350m
- Re-clocked SDI output
- Built in colour bar generator (requires an SDI input)
- VBI control
- Compact and rugged design
- Locking connector for PSU

### Control switches

- CVBS/YUV/RGB or YC output
- Test pattern enable
- Component output levels
- Vertical interval blanking control
- PAL N or NTSC Japan selection

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

### Specifications

<b>SDI input</b>			
Standards	SMPTE 259M 270Mb/s 525/625 SDI	Return loss	>36dB to 5.5MHz
Connector	75Ω BNC	Cable drive	Up to 800m (Belden 8281)
Signal level	800mV p-p ±10%	Test pattern	Colour bars (SDI input required)
Return loss	>20dB up to 270MHz	Frequency response	Flat to 5.5MHz, -3dB at ≈ 6MHz
Cable equalisation	Up to 250m automatic (Belden 8281)	Differential gain	<0.3%
<b>Re-clocked SDI output</b>		Differential phase	<0.5°
Standards	SMPTE 259M 270Mb/s 525/625 SDI	Delay	<10ns
Connector	75Ω BNC	Input	10-bit 4:2:2
Signal level	800mV p-p ±10%	Quantization	10-bit DAC
Return loss	>15dB up to 270MHz	<b>Power</b>	
<b>Analogue outputs</b>		Voltage	6-12V DC
Standards	PAL (B, D, G, H, I), PAL N, NTSC USA & Japan	Current	350mA at 6V
Format	Composite/YUV/RGB or YC	Power connector	Locking 2.5mm jack connector (centre +ve)
Component	SMPTE/EBU, or Beta component levels	<b>Other</b>	
Connectors	Four 75Ω BNCs	LED	Shows power & signal presence
Signal level	1Vp-p ±10%	Temperature range	0°C to 40°C
DC offset	±100mV	Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
		Weight	255g

### Ordering information

4426 SDI to universal analogue DAC  
4010 IU rack mounting frame for up to 5 units (includes power supply)

4006 Desktop power supply with IEC320 C14 inlet

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

**DTL Broadcast Ltd, Johnson's Estate, Silverdale Road, Hayes, Middlesex, UB3 3BA, UK.**

Phone: +44 (0) 20 8813 5200 Fax: +44 (0) 20 8813 5022 Internet: [www.dtl-broadcast.com](http://www.dtl-broadcast.com) Email: [sales@dtl-broadcast.com](mailto:sales@dtl-broadcast.com)