

DTL MiniBlox™



4425 SDI to component analogue 10-bit DAC



Features

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

Description

The 4425 is a broadcast quality 270Mb/s SDI to component 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 YUV or RGB 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.

Control switches

- YUV or RGB outputs
- Pedestal
- Colour bar enable
- Component output levels
- Vertical interval blanking control

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Specifications

SDI input			
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	>15dB up to 270MHz	Frequency response	Flat to 5.5MHz, -3dB at ≈ 6MHz
Cable equalisation	>350m automatic (Belden 8281)	Differential gain	<0.3%
		Differential phase	<0.5°
Re-clocked SDI output		Delay	<10ns
Standards	SMPTE 259M 270Mb/s 525/625 SDI	Input	10-bit 4:2:2
Connector	75Ω BNC	Quantisation	10-bit DAC
Signal level	800mV p-p ±10%	Power	
Return loss	>15dB up to 270MHz	Voltage	6-12V DC
Analogue outputs		Current	400mA at 6V
Format	Component YUV or RGB	Power connector	Locking 2.5mm jack connector (centre +ve)
Component	SMPTE/EBU or Beta component levels	Other	
Connectors	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	250g

Ordering information

4425 SDI to component analogue 10-bit DAC
4010 IU rack mounting frame for up to 5 units (includes power supply)

4006 Desktop power supply with IEC320 C14 inlet

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

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