

DTL MiniBlox™

4430 Composite analogue to SDI ADC



Description

The 4430 is a broadcast quality composite analogue to SDI converter. It uses a 10 bit 2x over sampling ADC with four line adaptive comb filtering. It is housed in an extremely compact and rugged aluminium case ideally suited to both studio and portable applications. The unit accepts and automatically selects between different types PAL, NTSC and SECAM composite inputs. Input quality is automatically detected between VCR / CCTV and broadcast sources.

Features

- Composite analogue to SDI ADC
- Auto select multi-standard input – PAL, NTSC & SECAM
- Two 270Mb/s 525/625 outputs
- Dual high-speed over sampling 10-bit A/D converters
- 4 line adaptive comb filter
- Handles a wide range of video input qualities
- Automatic gain control
- Compact and rugged design
- Locking connector for PSU

Control switches

- Pedestal control
- VBI blanking control

www.miniblox.com

Specifications

Analogue input

Standards	Composite PAL, NTSC & SECAM
Connector	75Ω BNC
Signal level	1V p-p ±10%
Return loss	>40dB to 5.5MHz

SDI outputs

Standards	SMPTE 259M 270Mb/s 525/625
Connector	75Ω BNC
Number	2
Signal level	800mVp-p ±10%
Return loss	>20dB to 270MHz

Performance

Differential gain	<0.4%
Differential phase	<1.5°
Delay	<10nS
Quantization	10-bit

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	150g

Ordering information

4430	Composite analogue to SDI ADC	4006	Desktop power supply with IEC320 C14 inlet
4010	IU rack mounting frame for up to 5 units		

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 Email: sales@dtl-broadcast.com