

DTL MiniBloxTM

4430+ Composite analogue to SDI ADC



Description

The 4430+ is a broadcast quality composite analogue to SDI converter.

It uses dual 11 bit over sampling ADCs with 5 line adaptive comb filtering. Temporal noise reduction and 3D motion adaptive YC separation offer the highest quality conversion on the market. The unit accepts PAL, NTSC and SECAM analogue inputs. The input format is automatically detected.

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

Features

- Analogue composite to SDI ADC
- Dual high speed oversampling 11-bit ADC's
- Digital TBC and jitter filter for greater output stability
- Temporal frame recursive noise reduction
- Motion adaptive 3D YC separation using a 5 line comb filter
- Automatic gain control
- Differential input to eliminate common mode 'hum' up to 6Vp-p
- Extremely compact and rugged
- Locking connector for PSU

Control switches

- Pedestal control
- VBI blanking
- Disable AGC
- Disable jitter filter
- Enable noise reduction
- Enable motion adaptive YC separation

www.miniblox.com

Specifications

Analogue input

Standards	Composite NTSC (J, M, 4.43), PAL (B, D, G, H, I, M, N, Nc, 60) and SECAM (B, D, G, K, K1, L)
Composite Connector	PAL, NTSC & SECAM 75Ω BNCs
Signal level	1V p-p nominal
Return loss	>40dB to 5.5MHz
CMR	>6Vp-p

SDI output

Standards	SMPTE 259M 270Mb/s 525/625 SDI
Connector	75Ω BNC
Number	2
Signal level	800mV p-p ±10% (terminated)
Jitter	<0.15UI with colour bars input
Return loss	>18dB to 270MHz

Performance

Differential gain <1.5%

Differential phase <0.4°

Power

Voltage 6-12V DC

Current 600mA at 6V

Power connector Locking 2.5mm jack connector (centre +ve)

Other

LED Shows power and signal

Temperature range 0°C to 40°C

Dimensions 63.5mm x84mm x30mm (excluding connectors)

Weight 180g

Ordering information

4430+	Composite analogue to SDI ADC	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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