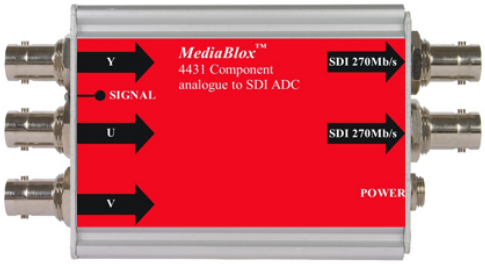
MediaBlox™
4431 Component analogue to SDI ADC



Description

The 4431 is a broadcast quality component analogue to SDI 10-bit ADC. 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, component analogue 525 / 625 line inputs at different levels.

Features

- Component analogue to SDI ADC
- Two 270Mb/s 525/625 outputs
- Dual high-speed over sampling 10-bit A/D converters
- Automatically selects between 525 and 625 lines
- VBI control
- Automatic gain control
- Compact and rugged design
- Locking connector for PSU

Control switches

- Pedestal control
- VBI blanking control

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Specifications

Analogue inputs	
Standards	Component 525 or 625
Connectors	Three 75Ω BNCs
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	400mA at 6V
Power connector	Locking 2.5mm jack connector (centre +ve)
Other	
LED	Shows signal presence
Temperature range	0˚C to 40˚C
Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	180g

Ordering information

4431	Component analogue to SDI ADC
4010	1U rack mounting frame for up to 5 units including PSU
4006	Desktop power supply with IEC320 C14 inlet

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