

# DTL MiniBlox<sup>TM</sup>

## 4432 Universal analogue to SDI ADC



### Description

The 4432 is a broadcast quality universal analogue to SDI converter. It uses a 10 bit 2x over sampling ADC with 4 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 composite, component or YC analogue inputs. It automatically selects different types PAL, NTSC and SECAM.

Switches on the end of the unit select between component, YC & composite inputs and set the pedestal and control VBI blanking.

### Features

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

### Control switches

- Select between component, YC & composite inputs
- Pedestal control
- VBI blanking control

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

### Specifications

#### Analogue input

Standards	Composite, YC & YUV component 525 or 625
Composite	PAL, NTSC & SECAM
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	250mA 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 x 84mm x 30mm (excluding connectors)
Weight	180g

### Ordering information

4432	Universal analogue to SDI ADC
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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