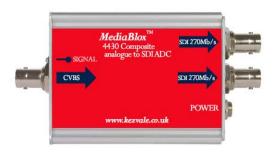


4430 Composite analogue to SDI ADC





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

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Specifications

Analogue input

Standards Composite PAL, NTSC & SECAM

75Ω BNC Connector Signal level 1V p-p ±10% >40dB to 5.5MHz Return loss

SDI outputs

SMPTE 259M 270Mb/s 525/625 Standards

75Ω BNC Connector

Number

 $800 mVp-p \pm 10\%$ Signal level >20dB to 270MHz Return loss

Performance Differential gain

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

Power

6-12V DC Voltage 350mA at 6V Current

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

Other

LED Shows power and signal presence

0°C to 40°C Temperature range Dimensions 63.5mm x 84mm x 30mm (excluding connectors)

Weight

Ordering information

4430 Composite analogue to SDI ADC 4010 IU rack mounting frame for up to 5 units

4006 Desktop power supply with IEC320 C14 inlet

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