MediaBlox™
4282 Dual SDI to Optical Converter

KEZVALE LTD
Broadcast Equipment Manufacturers
for Over 40 Years
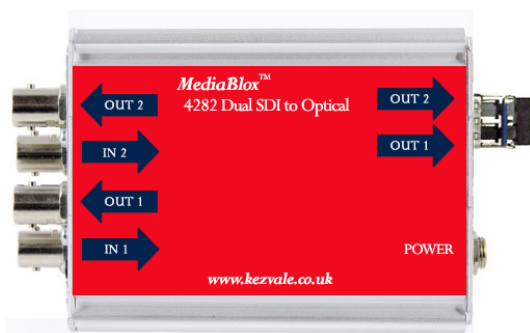
Description

SDI to Optical Fibre converter, supports SD, HD & 3G SDI, DVB/ASI 270Mbps.

Supports data rates from 50Mbps to 3Gbps.

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

Features

- Multi-rate reclocking with automatic rate detection and automatic bypass for non SDI data rates

- Automatic Cable Equalisation

- LEDs display power and SDI lock status

- Wide input voltage range 6-12VDC

- Locking DC jack

- Optical outputs on female LC connectors

- Provides reclocked loop-through SDI outputs

- 1310nm wavelength standard, 1550nm and CWDM options available

- Use in conjunction with 4284 for a complete dual fibre transmit/receive system

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Specifications

Standards	SMPTE 297M, SMPTE 259M, SMPTE 292, SMPTE 424M, DVB-ASI
Connector	75Ω BNC
Data Rate	50Mbps – 3Gbps
Signal Level	$800mV_{p-p}$ ±10%
Return loss	>15dB to 1.5 GHz, >10dB 1.5GHz-3GHz
Typical cable length equalisation (Beldon 1694A)	400m @ 270 Mbps 200m @ 1.485 Gbps 140m @ 2.970 Gbps
Compliance	Class 1 FDA and IEC60825-1 Laser Safety
Centre Wavelength	1310nm ± 20nm @ 25˚C (1550nm and CWDM options available)
Laser Type	FP (DFB for CWDM Version)
Fibre Type	Single Mode
Optical Power	0-5dBm

Power

Voltage	6-12V DC
Indicators	Power & SDI lock

Other

Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	145G

Ordering information

4282 Dual SDI Optical Converter
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.