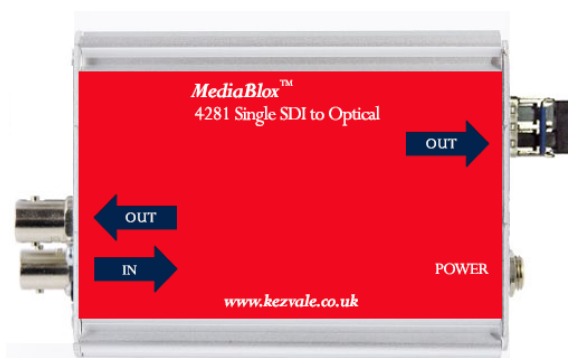


MediaBloxTM

4281 Single SDI to Optical Converter



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 output on female LC connector
- Provides reclocked loop-through SDI output
- 1310nm wavelength standard, 1550nm and CWDM options available
- Use in conjunction with 4283 for a complete fibre transmit/receive system

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Specifications

Standards	SMPTE 297M, SMPTE 259M, SMPTE 292, SMPTE 424M, DVB-ASI	Power	6-12V DC
Connector	75Ω BNC	Voltage	Power & SDI lock
Data Rate	50Mbps – 3Gbps	Indicators	
Signal Level	800mV _{p-p} ±10%	Other	
		Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Return loss	>15dB to 1.5 GHz, >10dB 1.5GHz-3GHz	Weight	145G
Typical cable length equalisation (Belden 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	-2dBm typ.		

Ordering information

4281 Single 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.

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