

# DTL MiniBlox<sup>TM</sup>



## 4282 Dual 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 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

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

### Specifications

Standards	SMPTE 297M, SMPTE 259M, SMPTE 292, SMPTE 424M, DVB-ASI	<b>Power</b>	
Connector	75Ω BNC	Voltage	6-12V DC
Data Rate	50Mbps – 3Gbps	Indicators	Power & SDI lock
Signal Level	800mV <sub>p-p</sub> ±10%	<b>Other</b>	
Return loss	>15dB to 1.5 GHz, >10dB 1.5GHz-3GHz	Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Typical cable length equalisation (Beldon 1694A)	400m @ 270 Mbps 200m @ 1.485 Gbps 140m @ 2.970 Gbps	Weight	145G
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		

### 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.

**DTL Broadcast Ltd, Johnson's Estate, Silverdale Road, Hayes, Middlesex, UB3 3BA, UK.**  
Phone: +44 (0) 20 8813 5200 Fax: +44 (0) 20 8813 5022 Internet: [www.dtl-broadcast.com](http://www.dtl-broadcast.com) Email: [sales@dtl-broadcast.com](mailto:sales@dtl-broadcast.com)