

HubBox

Dual channel SDI to Optical converter

Data Sheet



Description

Dual 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.
 The HubBox is perfect for using with the miniHUB system where one or two signals are required remotely.

Part Number	Temperature
11121	+5°C to +40°C

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 11123 or the miniHUB system for a complete fibre transmit/receive system

Specifications	
Standards	SMPTE 297M, SMPTE 259M, SMPTE 292, SMPTE 424M, DVB-ASI
Connector	75Ω BNC
Indicators	Power & SDI lock
Data Rate	50Mbps – 3Gbps
Signal Level	800mVp-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

Specifications	
Compliance	Class 1 FDA and IEC60825-1 Laser Safety
Centre Wavelength	1310nm \pm 20nm @ 25°C (1550nm and CWDM options available)
Laser Type	FP (DFB for CWDM Version)
Fibre Type	Single Mode
Optical Power	0 to -5dBm
Power	Voltage 6-12V DC
Dimensions	63.5mm x 84mm x 30mm (excluding connectors)
Weight	145g

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