

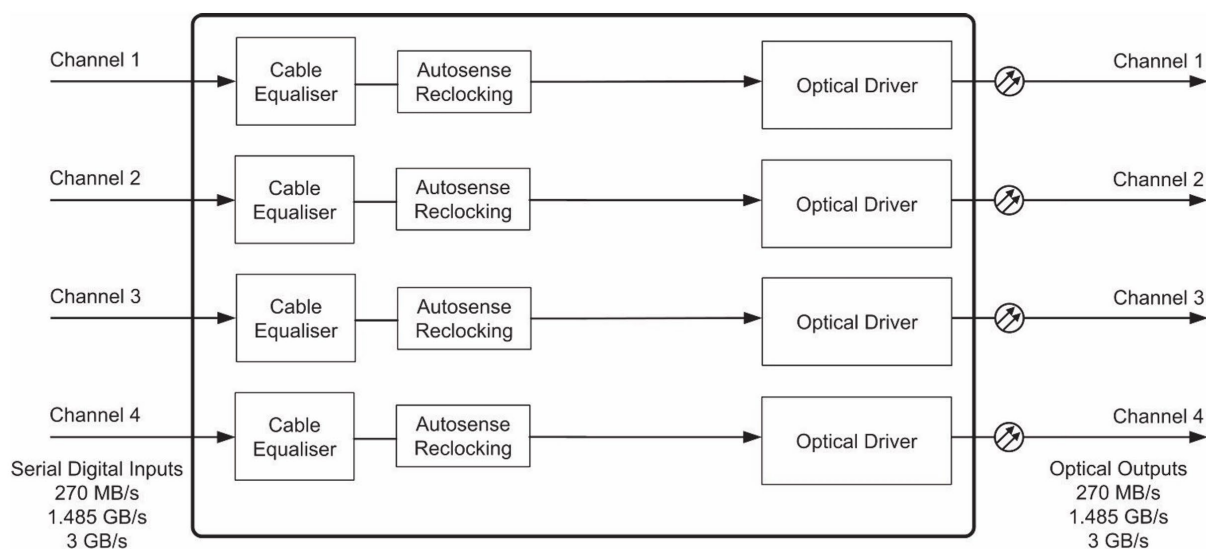
BC Series Modular Fibre Optic Interface System



Description:

- The BC370T is a transmitter card that converts four optical SDI or ASI signals back into electrical signals
- Supports 3G-SDI, HD-SDI, SD-SDI, and ASI formats
- Each signal passes through amplifiers and is reclocked to keep the signal clean and stable
- If a non-standard SDI signal is detected, it automatically switches to a bypass mode without reclocking
- Handles data rates up to 3 Gb/s
- Available in multimode, singlemode, WDM, and CWDM types to suit different fibre setups
- Works with the BC370R receiver, which sends electrical SDI signals over fibre
- Fits into the BC100 or BC100i 3RU rack frame, which holds up to 15 single-slot cards (up to 60 video channels)
- Can also be used with the BC160 or BC160i 1RU rack, which holds 6 single-slot cards (up to 24 video channels)

Schematic Diagram:



Specifications

Electrical Input		General Card Specifications	
Standards	SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 297M, DVB-ASI	Depth	60mm
Equalisation	Automatic to 100 m @ 3 Gb/s Automatic to 200 m @ 1.485 Gb/s Automatic to 300 m @ 270 Mb/s "Pass through mode" without relocking auto enabled if the data rate does not match one of the standard supported SDI	Width	20 mm 4HP
Connector	75 Ohm BNC per IEC 60169-8 Amendment 2	Height	30mm 43RU
Return Loss	> 15dB @ 1.485 Gb/s	Weight	100g
Optical Output		Operating Temp	-30 to +70°C
Connector	1 x female LC as standard per channel (Via 2 x SFP Transmitter Modules)	Power	3W
Wavelength	1310 nm, 1550 nm See Ordering Information	Signal Detect	LED on for loss of signal
Optical Power	-2 dBm @ 1310 nm (Typical) -2 dBm @ 1510 nm (Typical) 0 dBm @ CWDM (Typical)	No. of slots	1
Conformance			
EMI/RFI		Complies with 89/336/EEC, EN55022B, EN61000-4-2, EN61000-4-4(level 2), EN61000-4-4FTB, EN61000-4-5 EN61000-4-11	
Electrical		Complies with EN61000-6-1 EN61000-6-2, EN61000-6-3, EN61000-6-4	
Laser Safety		Dependent on SFP fitted Complies with Class 1 laser product	
RoHS		Complies with Directive 2002/95/EC	
Warranty		5 Years	

Ordering Information

BC370T	Quad Channel 3G/SDI Fibre Optic Receiver Card, Auto-Sensing and relocking for SDI, ASI, HD/SDI and 3G/SDI. No Optics Fitted.
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