

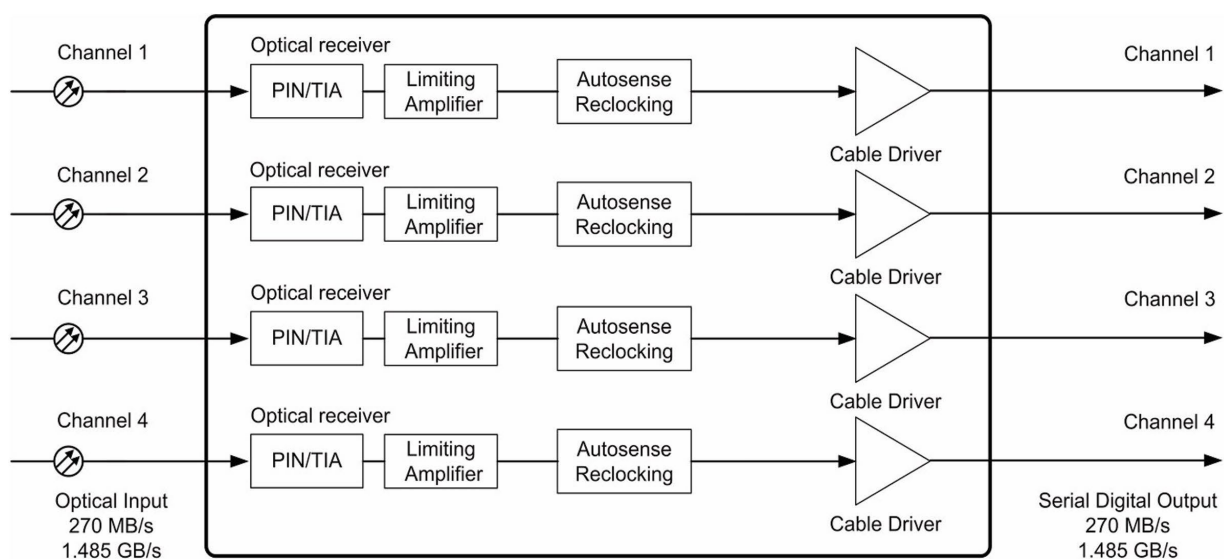
BC Series Modular Fibre Optic Interface System



Description:

- The BC370R is a receiver card that converts four optical SDI or ASI signals back to 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 variants
- Works with the BC372T transmitter, 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	
Standards	SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 297M, DVB-ASI
Connector	75 Ohm BNC per IEC 60169-8 Amendment 2
Return Loss	> 15dB @ 1.485 Gb/s
Polarity	Non Inverting
Signal Level	800 mV +/- 10%
DC Offset	0 +/- 0.5 V
Jitter	<0.15 UI line equalized
Format	Driven active loop out
Optical Output	
Wavelength	1260-1620 nm See Ordering Information for multimode and singlemode variants
Sensitivity	> -25.0 dBm @ 3Gb/s > -25.5 dBm @ 1.485 Mb/s > -26.0 dBm @ 270Mb/s
Max I/P power	> -1 dBm
Data Rate	50 Mb/s to 3Gb/s

General Card Specifications	
Depth	60mm
Width	20mm 4HP
Height	129mm 3RU
Weight	100g
Operating Temp	-30 to +70°C
Signal Detect	LED on for loss of signal
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

BC370R	Quad Channel 3G/SDI Fibre Optic Receiver Card, Auto-Sensing and reclocking for SDI, ASI, HD/SDI and 3G/SDI. No Optics Fitted.
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