

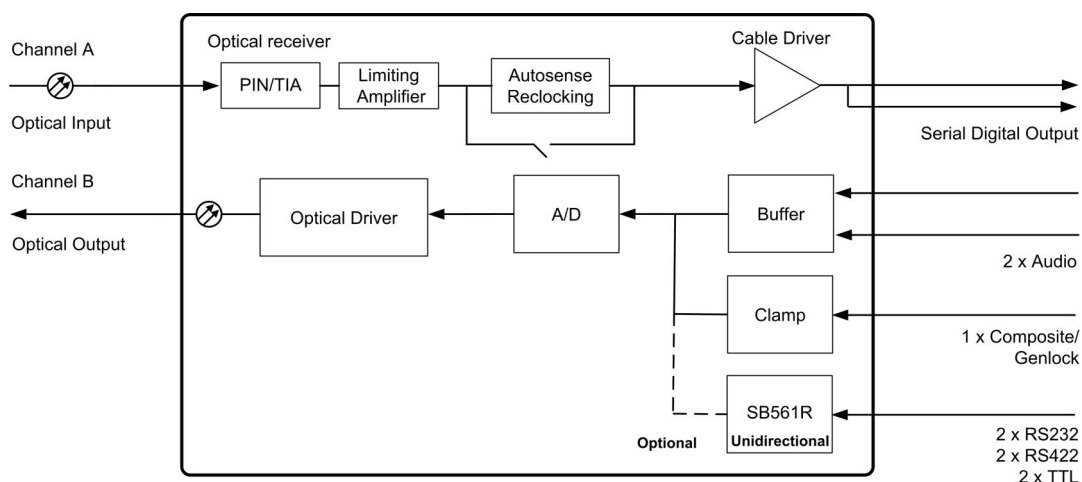
BC Series Modular Fibre Optic Interface System



Description:

- The BC561R converts optical signals into electrical 3G-SDI, HD-SDI, SD-SDI, and ASI outputs.
- The signal is amplified and reclocked for clean transmission.
- A second fibre carries 2 x differential analogue audio signals and a genlock/composite signal.
- Ideal for adding fibre I/O to compact remote camera systems.
- Available in multimode, singlemode, WDM, and CWDM variants.
- Fits a single slot in the BC100-3RU frame (up to 15 cards per frame).
- Supports SNMP monitoring via the BM102 card and is also available in a standalone rugged enclosure.

BC561R Schematic Diagram:



Specifications

Electrical Output (SDI)	
Standards	SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 297M, DVB-ASI
Equalisation	Automatic to 100 m @ 3 Gb/s Automatic to 200 m @ 1.485 Gb/s Automatic to 300 m @ 270 Mb/s Equaliser and reclocking can be bypassed to support data rates down to 50 Mb/s
Connector	1 x 75 Ohm BNC per IEC 60169-8 Amendment 2 per output
Return Loss	> 15 dB @ 1.485 Gb/s
Format	Reclocked (with bypass to support data rates down to 50 Mb/s) Please note that the factory default unless specified is for units to be supplied in reclocking mode. Non-reclocking settings are accessed via module pcb
Electrical Input (Video)	
Connector	1 x 75 Ohm BNC
Format	Composite Video/Genlock
Electrical Input	
Connector	9 Pin D type
Format	2 x differential Analogue Audio
Optical Input / Output	1 x Female LC as per standard
Wavelength	1310 nm, 1550 nm (See Ordering Info)
Optical Power	-2 dBm @ 1310 nm (typical) -2 dBm @ 1510 nm (typical) 0 dBm @ CWDM (typical)
SB5614 Electrical Input	
Connector	9 Pin D type
Type Format	2 x RS323 / 2 x RS422 / 2 x TTL

General Card Specifications

Depth	86 mm
Width	20 mm 4HP
Height	129 mm 3RU
Weight	100 g
Operating Temp	-30 to +70 °C
Power	2.4 W
No. of slots	1 (2 with SB561DR fitted)

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

BC561R	3G/SDI, HD/SDI Fibre Optic Receiver Module, Auto-Sensing for SDI, ASI, HD/SDI and 3G/SDI (1310nm). With reverse video/genlock and 2 x differential analogue audio on second fibre. Fitted with LC connectors as standard
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