

BC Series Modular Fibre Optic Interface System

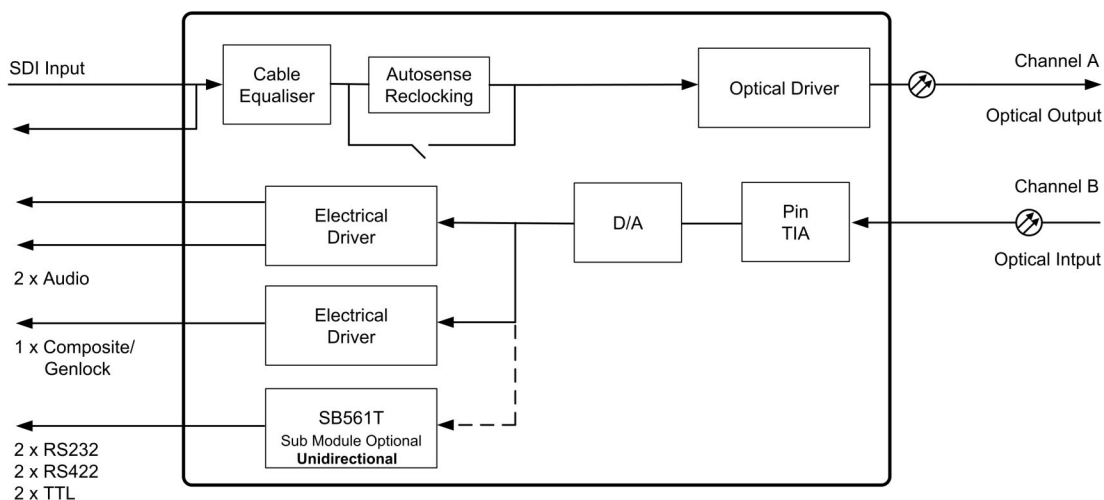


Description:

- The BC561T transmits 3G-SDI, HD-SDI, SD-SDI, or DVB-ASI signals over fibre.
- It auto-senses, equalises, and reclocks the signal before optical transmission.
- A second fibre carries 2 x differential analogue audio and a composite/genlock signal.
- Ideal for cost-effective fibre I/O in compact remote camera systems.
- Available in multimode, singlemode, WDM, and CWDM variants.
- Occupies 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.

BC561T Electrical to Optical Transceiver

3G-SDI, Composite, Audio



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 1 x SDI input, 1 x Loop input
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 Output (Video)	
Connector	1 x 75 Ohm BNC
Format	Composite Video/Genlock
Electrical Output	
Connector	9 Pin D type
Format	2 x differential Analogue Audio
Optical Input/Output	
Connector	1 x female LC as standard per channel
Wavelength	1310 nm, 1550 nm, See Ordering Information
Optical Power	-2 dBm @ 1310 nm (typical) -2 dBm @ 1510 nm (typical) 0 dBm @ CWDM (typical)
Connector	1 x 75 Ohm BNC
Format	Composite Video/Genlock
Option	By adding the SB561T sub module unidirectional data can also be added to the card functionality. The card is supplied with a different rear panel and becomes a 2 slot device.

General Module 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
Conformance	
EMI/RFI	Complies with 89/336/EEC, EN55022B, EN61000-4-2, EN61000-4-4-(Level 2), 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

BC561T/S	Singlemode 3G/SDI, HD/SDI Fibre Optic Transceiver 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
SB561 sub module	Sub Module adds additional unidirectional data to BC561 board NB : BC561 becomes a double slot device when the sub board is fitted
SB561DT	Sub module for BC561T unit. When fitted it provides inputs for 2 x RS232 + 2 x RS422 + 2 x TTL

For all available enclosures and frames see section "Universal Chassis and Power Supplies".



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