

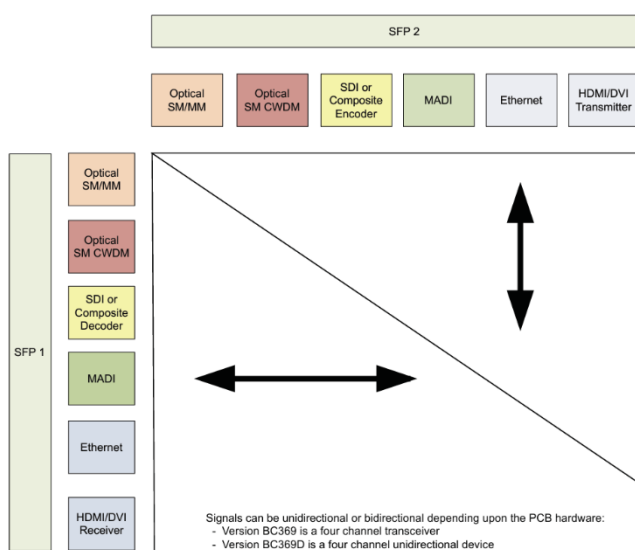
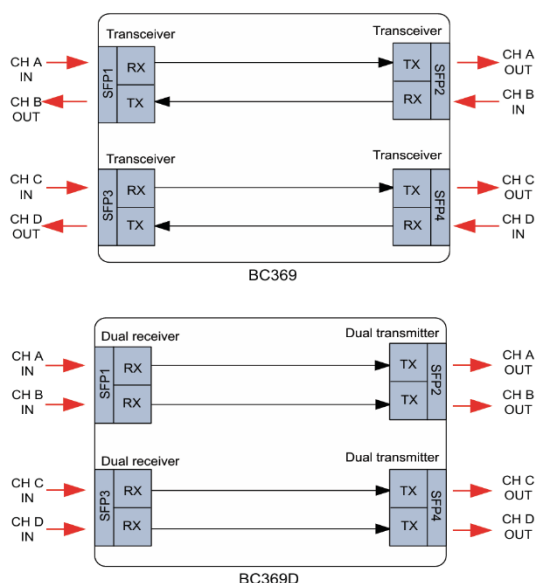
BC Series Modular Fibre Optic Interface System



Description:

- The BC369 and BC369D are dual-channel, multi-format interfaces designed for Outside Broadcast (OB) and studio use, supporting a wide range of video, audio, and data signals.
- Supplied with four empty SFP carriers, users can customise each unit by fitting optical or coaxial SFP cartridges tailored to specific operational needs.
- Applications include electrical-to-optical conversion, wavelength management, signal regeneration, and monitoring of formats like 12G-SDI, HDMI, DVI, composite video, MADI, and Ethernet up to 11.88 Gb/s.
- Their modular SFP design enables flexible reconfiguration—ideal as a broadcast toolkit for adapting to varying signal environments.
- The BC369 is optimised for transceiver SFPs, providing two bi-directional signal paths with built-in Rx/Tx routing and signal status LEDs.
- The BC369D supports dual transmitter and receiver SFPs, offering four unidirectional signal paths, suitable for higher channel density.
- Compatible with all BC Series frames: fits 1 slot in the BC100 (3RU) or BC160 (1RU), or in standalone BC101/BC102 enclosures.
- SNMP monitoring is supported when used in 19" rack frames with a BM102 network card installed.

Schematic Diagram:



Specifications

Output & Input	
Physical	SFP Module
Connector	SFP Module dependent
Signal detection (Note: BC369 Only)	Bicolour LED: Green = Valid Signal Red = No Valid Signal
Data Rate:	Up to 11 GHz (12G)
SDI Video	
Connectors	Optical or coaxial
Standards	12G-SDI, 6G-SDI, 3G-SDI, HD-SDI, SD-SDI, DVB-ASI
Compliance	SMPTE ST 2082, ST 2081, ST 424M, 292M, 259M, 297M
Data Rates	150 Mb/s to 11.88 Gb/s
HDMI	
Standards	HDMI v1.4, DVI 1.0
Resolution	Up to 1920 x 1080p
Data rates	As per 3G-SDI, HD-SDI, SD-SDI
Gigabit Ethernet	
Compliance	IEEE 802.3-2002
Speed	10/100/1000BASE-T
Data Rate	Up to 1 Gb/s
MADI	All common standards and sample rates

Optical SFP characteristics	
Wavelengths	CWDM: 1270 nm to 1610 nm
SFP + Data Rate	Up to 11.3 Gb/s
SFP Transceiver	Up to 2.97 Gb/s
Conformities	100 g
EMI/RFI	Complies with 89/336/EEC and EN55022B
EMC	Complies with EN61000 4-2, EN61000-4-4 (Level 2), EN61000-4 4FTB, EN61000-4-5 and EN61000-4-11
Electrical Immunity	Complies with EN 61000 6-1, EN61000-6-2, EN 61000-6-3 and EN 61000 6-4
Laser Safety	Class 1 Laser Safety compliant; for additional conformities see datasheets for SFP cartridges fitted
RoHS	Complies with Directive 2002/95/EC
Physical	
Depth	73 mm (exc.SFP cartridges)
Width	20 mm (4HP)
Height	129 mm (3RU)
Weight	100 g
Operating Temp	-30°C to +70°C
Power	4.5 to 17 V DC, 2.5 W

Ordering Information

BC369	Modular - 2x Multi-format Dual Channel Interface. Requires an input and output MSA/non-MSA
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