



Features

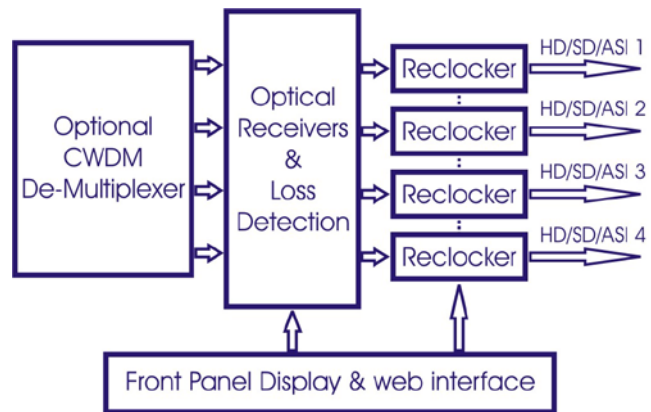
- Supports HD/SDI & ASI signals
- Non-inverting & Inverting cable outputs
- Re-clocking (143,270,1438,1485 Mbps)
- Input routing or failure switching
- Optional digital video analyser sub-module
- Optional Graphical Front Panel & Web based monitoring & control
- DORX-6000 Dual PIN receiver
- DORX-6002 Dual PIN receiver + passive optical splitter
- DORX-6100 Dual PIN + OLED front panel & web server
- DORX-6102 Dual PIN + OLED front panel & web server + passive optical splitter
- DORX-7000 Quad PIN receiver
- DORX-7004 Quad PIN receiver + passive optical splitter
- DORX-7100 Quad PIN + OLED front panel & web server
- DORX-7104 Quad PIN + OLED front panel & web server + passive optical splitter

Description

The multichannel Digital Video Receiver supports the short haul transmission of multiple SD, HD & ASI formats over single mode fiber optic cable. Each channel is totally independent allowing different data rates & formats to be transported simultaneously. Each wavelength can be separated on the board using a passive CWDM or provided individually on the rear assembly. This design provides a more flexible and reliable alternative as well as alleviating the data rate limitations and jitter issues associated with TDM designs. The multichannel Digital Video Transmitter is especially suited to mixed data rate environments or installations that may change in the future. Optional monitoring and control is via the graphical front panel display or embedded web server.

Specifications

Optical Inputs	
Number of Inputs	up to 4
Fiber	Single Mode 9/125um
Sensitivity	-20dBm typical (PIN version) -30dBm typical (APD version)
Connector	SC/PC (other types upon request)
Wavelength	1200-1600nm
Electrical Outputs	
Number of Outputs	4 (non-inverting)
Data Rate	143, 270, 1483 & 1485 Mbps (re-clocked)
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Slew Rate.☐	Automatic
Impedance	75 ohm
Connectors	BNC female



Alarm & Control Interface

- Graphical front panel display (optional)
- Embedded Web server with 10/100 UTP Ethernet (optional)
- RJ45 UTP on rear assembly
- Major & minor alarm relay contacts (rear assembly)

Supported Standards

SMPTE - 259M (270Mbit/s), 292M (1483, 1485Mbit/s) 305M (SDTI) 310M
DVB-ASI - EN50083-9 (270Mbit/s)

Compatibility

- Compatible with all SBC modules supporting digital video interfaces
- Compatible with SBC 3RU, 84HP Eurocard frame
- Compatibility with third party frames upon request.

Notes

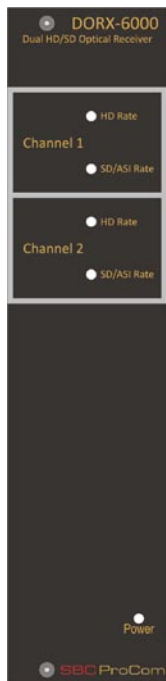
This method can be scaled using external passive optical de-multiplexers and alternate laser wavelengths to provide up to 16 independent channels.

Compliances

- CE; UL; C-Tick
- RoHS Compliant Directive 2002/95/EC

Ordering Information

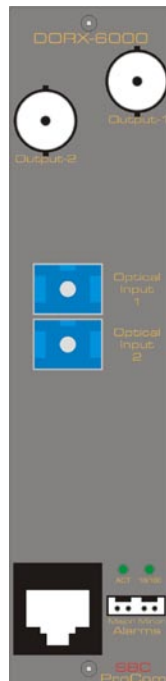
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Front



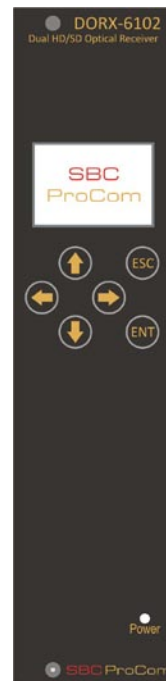
Front



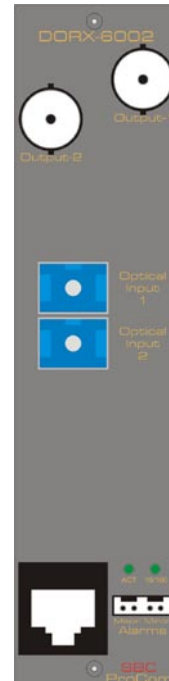
Common Rear



Front



Front



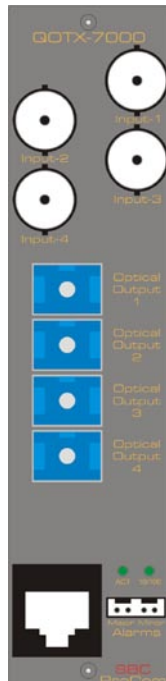
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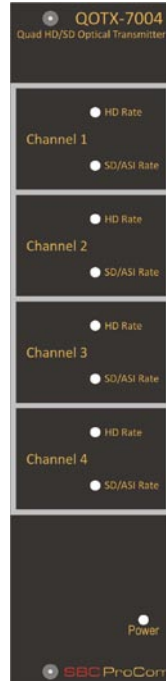
Front



Front



Common Rear



Front



Front



Common Rear

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