

4 Bi - Directional SDI / HDSDI Over 1
Fiber Transceiver



4 SDI over fiber bidirectional

Preview



Short Description

4CH Bi-directional HD SDI + External Audio and RS232/422/485 control data over single fiber

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Description

4 Ch HD-SDI in both directions over single fiber

Extend HD-SDI or SD-SDI digital video signals long distances over single-mode fiber optic cable

Transport up to 4 full rate HD-SDI digital video signals in both directions at 1.5Gbps each over a single strand of fiber cable up to 80km long. In addition dual Aux ports provide additional capacity by adding up to 4 analog bi-directional audio, 2 full duplex RS-232/422 links, or 4 contact closure lines per Aux interface.

The transmitter inputs support any serial digital signal up to HD-SDI, including SD-SDI. The F-M8SDI platform delivers more functionality and performance over a single fiber than has ever been available in off the shelf equipment.

Each of the 4 bi-directional HD-SDI signals are fully isolated from each other and operate at a full 1.5 Gbps data rate. Each channel carries its own embedded audio and ancillary data and operates as if it were the only signal on the fiber. This is accomplished with CWDM technology.



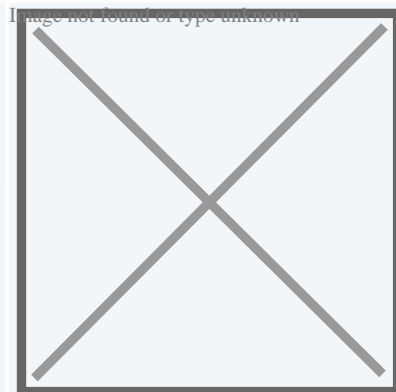
The 8 channel platform offers the same 5 pin Aux port custom signal options as the two and four channel units. However functionality is doubled by providing 2 independent Aux links that can be customized for 4 channel bi-directional or unidirectional audio, 1 or 2 duplex RS-232/422 links, or 4 line contact closure.



Locking Cables
ST/RF or SC fiber & BNC connectors

No Link Alarms

Link status alarm on both the transmitter and receiver indicate when the link is not functional.

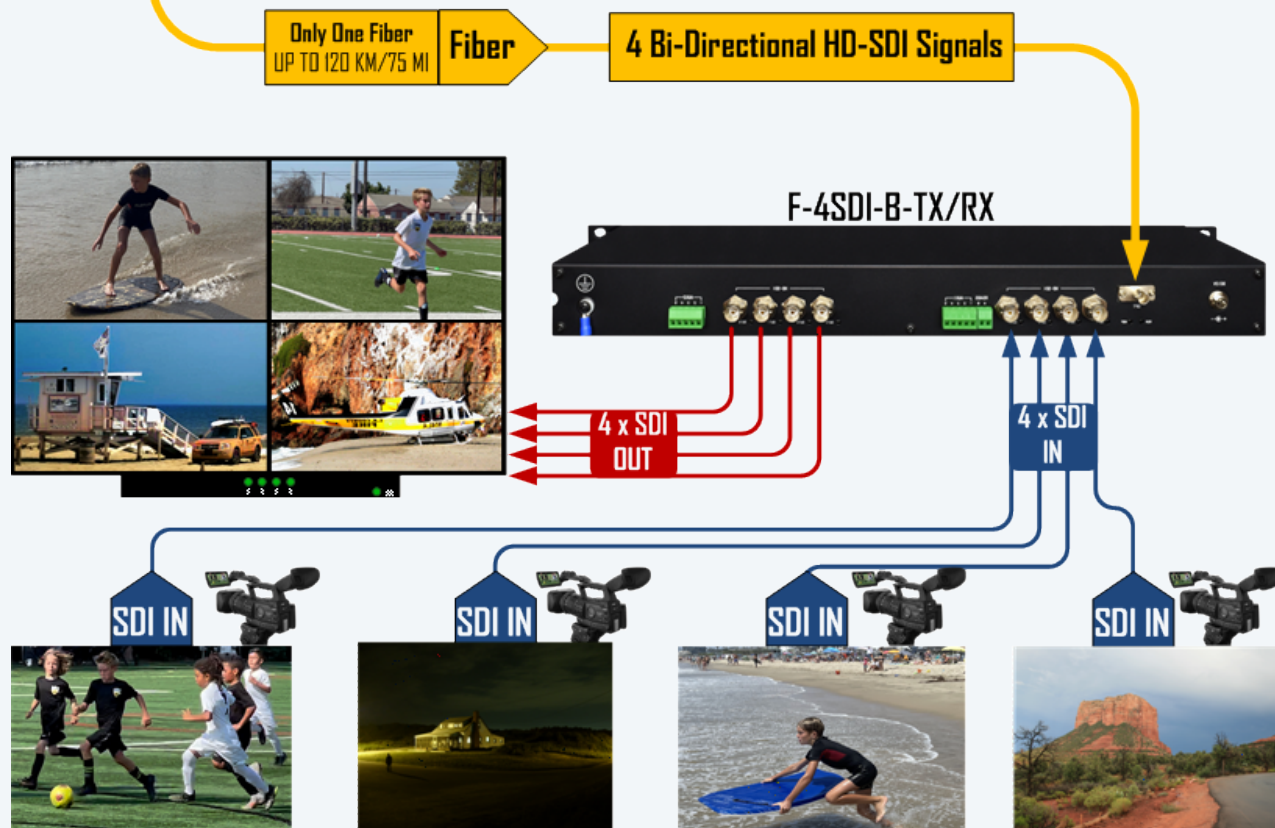


Serial Data

RS-485 return path sends serial data from the receiver back to the transmitter for device control.

Specification

HD-SDI Input	HD-SDI, SD-SDI, (ASI supported only on the F-4ASI-TX, F-4ASI-RX CWDM model) 0 - 1.5 Gbps Serial Digital Signal
Number of Input	8 SDI (4 SDI in each direction) 1 RS-485 2 Auxiliary
Signal Level	> 380mVp-p
Impedance	75
Connector	BNC
Distance	20Km (40, 60, 100Km Available)
Mini box	25×116×110
Power Supply	130 - 260 VAC @ 50-60 Hz
Power Consumption	<10W
Temperature	0 to +70 Degree
Humidity	0 to 95%
Connector	ST/PC or (FC/PC or SC/PC or SC/APC optional)
Optical Channels	TDM/CWDM type
RH	Non-condensing
LED Status Indic	



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More about product: <https://thorbroadcast.com/product/4-bi-directional-sdi-hdsdi-over-1-fiber-8230.html>