

# Single-fiber bidirectional TXRX



## Overview

The F-SDI-3G-B-TX/RX supports bidirectional video over a single fiber up to 20 kilometers without repeaters, reducing installation complexity and cost. It supports major SMPTE standards (259M, 292M, 424M) and offers plug-and-play operation with no compression or delay, ensuring high-quality, real-time video transmission, military, and surveillance use. Features include jitter reduction, cable equalization, and pathological signal support ensure reliable performance in complex. The Thor Fiber F-SDI-3G-B-TX/RX stands out from competitors primarily due to its true broadcast-grade quality and use of pure hardware architecture. Reliable 1000BASE-BIDI SFP Transceiver for Single Fiber: Designed for single-mode simplex LC fiber networks, this BiDi transceiver supports bidirectional communication with wavelengths of Tx1310nm/Rx1490nm and Tx1490nm/Rx1310nm. It enables high-speed data transmission up to 20km and features. or Pay \$1,250/mo. \$ when you use the Payboo credit card. Learn More This item cannot be canceled or returned. See any errors on this page?

Let us know Solving Your Fiber and Cost Challenges BiDi modules are

transceivers that can send and receive at the same time over one fiber cable using two wavelengths.

## Single-fiber bidirectional TXRX



Built for flexibility and durability, the device uses a modular design with ST/PC fiber connectors and industrial-grade components. With a rugged aluminum housing, ...



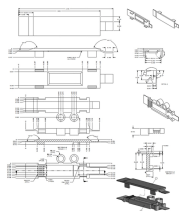
Many competing SDI-to-fiber converters are limited to shorter distances or require dual fibers for bidirectional communication. The F-SDI-3G-B-TX/RX supports bidirectional video over a single fiber ...



Comprehensive guide on BiDi Optical modules, detailing single-fiber bidirectional connectivity, deployment tips, troubleshooting, and multi-speed applications for optimized networks.



Supports data rates up to 1.25Gbps, enabling efficient bidirectional ...



Extend up to 8 channels of 3G SDI video signal over singlemode fiber with analog audio and additional gigabit Ethernet + RS 485 Data with QuestTel's L-XSDI-CWDM-3G-TX/RX transceiver.



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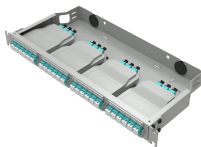
This Device is a 2 Channel HD-SDI transmitter and receiver for sending high definition digital video HD-SDI signals over fiber optic cable for long distance transport. This unit is used for sending 3G-SDI ...



nal 3G-SDI video over single mode 20km The F-SDI-3G-B-TX/RX by Thor Fiber is a bidirectional optical SDI converter that transmits uncompressed 3G-SDI, HD-SDI, SD-SDI, and DVB-ASI video sign.



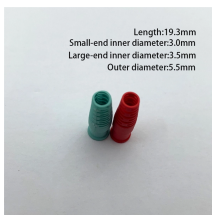
Many competing SDI-to-fiber converters are limited to shorter distances or require ...



Supports data rates up to 1.25Gbps, enabling efficient bidirectional communication over a single LC fiber. Provides a transmission range of up to 20km, perfect for long-distance networking in ...



Built for flexibility and durability, the device uses a modular design with ST/PC fiber connectors and industrial-grade components. With a rugged aluminum housing, wide temperature tolerance, and ...

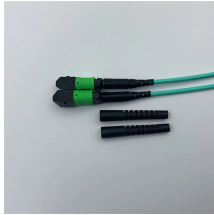


Length:19.3mm  
Small-end inner diameter:3.0mm  
Large-end inner diameter:3.5mm  
Outer diameter:5.5mm

This setup allows for the simultaneous transmission of 8 bi-directional channels of video signals over a single optical fiber cable, supporting SD, HD, and 3G-SDI formats with loop-out outputs for enhanced ...



Thor 8-Channel Bi-Directional SD/HD/3G-SDI  
4K/UHD Transmission with SDI Loop Out over  
Single Fiber



An optional RF Fiber Break configuration supports  
unidirectional RF transmission over a single fiber,  
blocking return-path signals to enable true one-  
way communication. This feature enhances  
security ...

## Contact Us

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