



3352 Bidirectional 3G/HD/SD-SDI Transceiver Series

Bidirectional broadcast quality 3G/HD/SD-SDI transmitted over one fiber. One independent 3G/HD/SD-SDI signal in each direction!

Ideal Applications:

Broadcast or corporate studios, OB Vans, Rental & Staging, auditoriums, stadiums and theaters, airport or transportation hubs, distance learning, surgical or medical imaging and more!



Signal	Channels	Direction
3G/HD/SD-SDI	2	↔

Features

Transmit two independent 3G/HD/SD-SDI signals in opposite directions over one single mode fiber.

Unique design uses the same transceiver model at each end of the fiber.

Signals are equalized and re-clocked prior to fiber optic transmission

Transmitter section features a re-clocked SDI loop through

Receiver section features two re-clocked, non-inverting, independently buffered SDI outputs

Immunity to pathological patterns over entire link budget and operating temperature range

Compliant with SMPTE 259M-2006, 292-2006, 424M-2006

Supports transmission of SMPTE 305M-2005, 310M-2004, 344M-2000, DVB-ASI

Supports 3G/HD/SD-SDI inputs with or without embedded audio and data

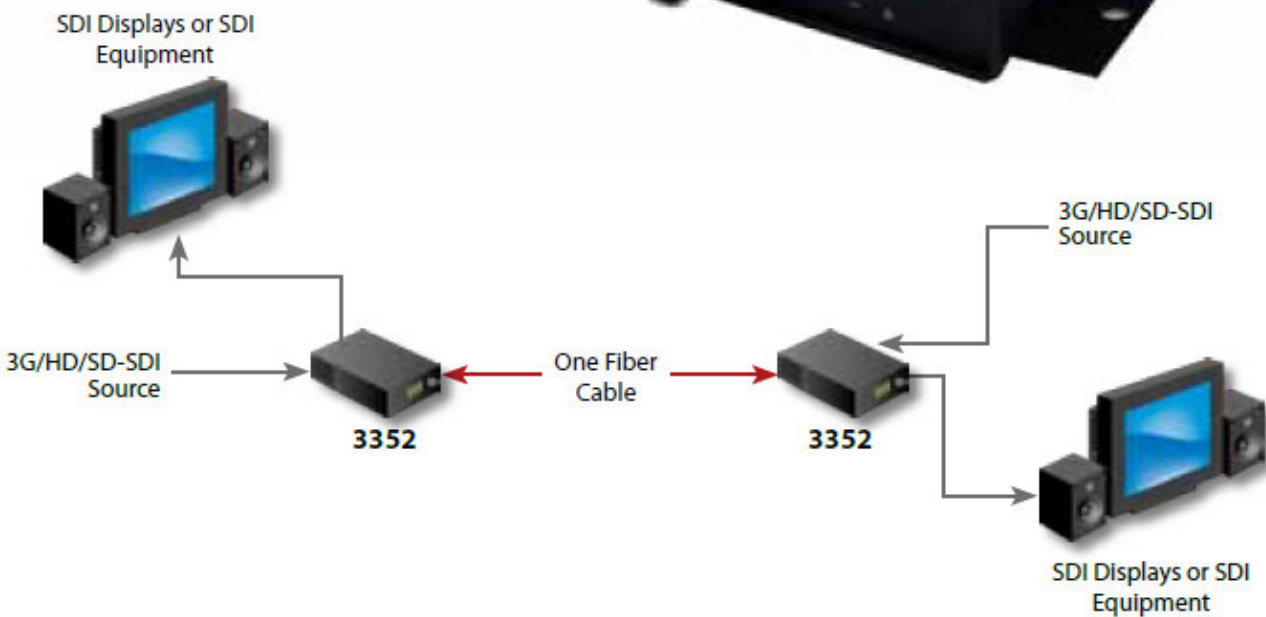
8 dB Optical Link Budget @ 2.97 Gbps

Wide operating temperature range: -10° C to +50° C

Available in Box and Card versions

Card version compatible with the Fiberlink® 6000A Rack Card Cage

Designed and Manufactured in the USA by CSI



Ordering Information

Part Number	Description	Fiber Cores
3352-x7z	Transceiver	1 (Single Mode)
PDPS-1-pp	Power Supply	

Power Supply Suffix Codes (pp) for AC Line Cord:

NA - North America	AU - Australia	EU - Europe
JP - Japan	UK - United Kingdom	

Part Number Suffix Codes:

x:	B	Box Version	z:	L	LC Connector
	C	Card Version		S	ST Connector

Sales



CSI Communications Specialties, Inc.

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**3352 Bidirectional
3G/HD/SD-SDI Transceiver
Series**

**Fiberlink®
3352 Transceiver**



The 3352 Transmitter section provides a convenient re-clocked and equalized 3G/HD/SD-SDI Loop-Through!

The 3352 Receiver section delivers pristine output with two re-clocked, non-inverting, independently buffered 3G/HD/SD-SDI outputs!



**Fiberlink®
3352 Transceiver**

**The Fiberlink®
3352 Series is available in a
card version that is compatible
with the Fiberlink® 6000A
Rackmountable Card Cage.**

Fiberlink® 3352 Transmitter Specifications

Serial Video BNC Input

Number of Inputs	1
Data Rate Range	19.4 Mbps to 2.97 Gbps
Supported Standards	SMPTE 259M, 292, 424M-2006, 305M, 310M, 344M, DVB-ASI
Re-clocked Data Rates	270 Mbps (SMPTE 259M, DVB-ASI-270), 1.485 Gbps (SMPTE 292), 2.97 Gbps (SMPTE 424M-2006)
Equalization	Automatic up to 100m of Belden 1694A at 3.0 Gbps, 200m at 1.485 Gbps and 350m at 270 Mbps
Return Loss	>10dB up to 2.97 Gbps

Serial Video BNC Loop-Through Output

Number of Loop-Throughs	1
Signal Level	800mV ± 10%
DC Offset	0V ± 0.5V
Rise/Fall Time	< 135 ps at 2.97 Gbps per SMPTE 424M-2006; < 270 ps at 1.485 Gbps per SMPTE 292; 0.4 ns to 1.5 ns at 270 Mbps per SMPTE 259M
Overshoot	< 10% of amplitude
Timing Jitter	< 0.2 UI at 270 Mbps; < 1.0 UI at 1.485 Gbps; < 2.0 UI at 2.97 Gbps with color bar signal
Alignment Jitter	< 0.2 UI at 270 Mbps; < 0.2 UI at 1.485 Gbps; < 0.3 UI at 2.97 Gbps with color bar signal
Re-clocking	At 270 Mbps, 1.485 Gbps & 2.97 Gbps

Optical Output

Connector	LC receptacle, PC polish or ST
Wavelength	1310nm (nominal)
Emitter Type	FP Laser
Re-clocking	At 270 Mbps, 1.485 Gbps & 2.97 Gbps

**Learn more about the industry's largest selection
of fiber optic transmission products at
commspecial.com**

Fiberlink® 3352 Receiver Specifications

Fiber Optic Input

Connector	LC receptacle, PC polish or ST
Wavelength	1100 - 1620 nm
Maximum Input Power	0 dBm

Serial Video BNC Outputs

Number of Outputs	2, Non-inverting, Independently Buffered
Signal Level	800mV ± 10%
DC Offset	0V ± 0.5V
Rise/Fall Time	< 135 ps at 2.97 Gbps per SMPTE 424M-2006; < 270 ps at 1.485 Gbps per SMPTE 292; 0.4 ns to 1.5 ns at 270 Mbps per SMPTE 259M
Overshoot	< 10% of amplitude
Timing Jitter	< 0.2 UI at 270 Mbps; < 1.0 UI at 1.485 Gbps; < 2.0 UI at 2.97 Gbps with color bar signal
Alignment Jitter	< 0.2 UI at 270 Mbps; < 0.2 UI at 1.485 Gbps; < 0.3 UI at 2.97 Gbps with color bar signal
Re-clocking	At 270 Mbps, 1.485 Gbps & 2.97 Gbps

Fiberlink® 3352 Series General Specifications

Indicators	Power, Data Rate lock (3G/HD, SD/DVB-ASI) Alarm (Card Version Only)
Box Version Dimensions	6.5 W x 1.15 H x 6 L (inches) 165 W x 29 H x 152 L (mm)
Weight	12.3 ounces, 382 grams
Slots in 6000A Card Cage	2
Power	9-24 volts, AC or DC, 3.25 watts, 11.08 BTU/Hr
Operating Temperature	-10° C to +50° C
MTBF	145,000 Hours

Operating Loss Budget & Maximum Usable Distance*

Fiber Type	Loss(dB)	Data Rate	Distance
Single Mode	0-8	2.97 Gbps	20 km
	0-11	1.485 Gbps	30 km
	0-11	270 Mbps	30 km

*Distance specifications are approximate and are not guaranteed. Operating loss budget must not be exceeded.



3352 Bidirectional 3G/HD/SD-SDI Transceiver Series

Fiberlink®
3352 Transceiver



One Fiber.

Two 3G/HD/SD-SDI Signals.

Same Transceiver Unit at Each
End of the Fiber!



Fiberlink®
3352 Transceiver

Other 3G-SDI Products

Fiberlink Matrix

Fully configurable 32x32 Optical Matrix



Fiberlink 3360 3G/HD/SD-SDI & 4 Pairs of AES/EBU Digital Audio Series

SMPTE compliant 3G/HD/SD-SDI with 4 Pairs (8 Channels) of AES/EBU Digital Audio Embedding over one fiber



Scan Do® HD

Computer Video to 3G/HD/SD-SDI Scan Converter



Learn more about the industry's largest selection of fiber optic transmission products at commspecial.com



**3352 Bidirectional
3G/HD/SD-SDI Transceiver
Series**



Schedule
Contract GS-03F-5063C



Learn more about the industry's largest selection of fiber optic transmission products at commspecial.com



Backed by a 30-day satisfaction guarantee and a three-year limited warranty on parts and labor. See website for terms and conditions.

Sales



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