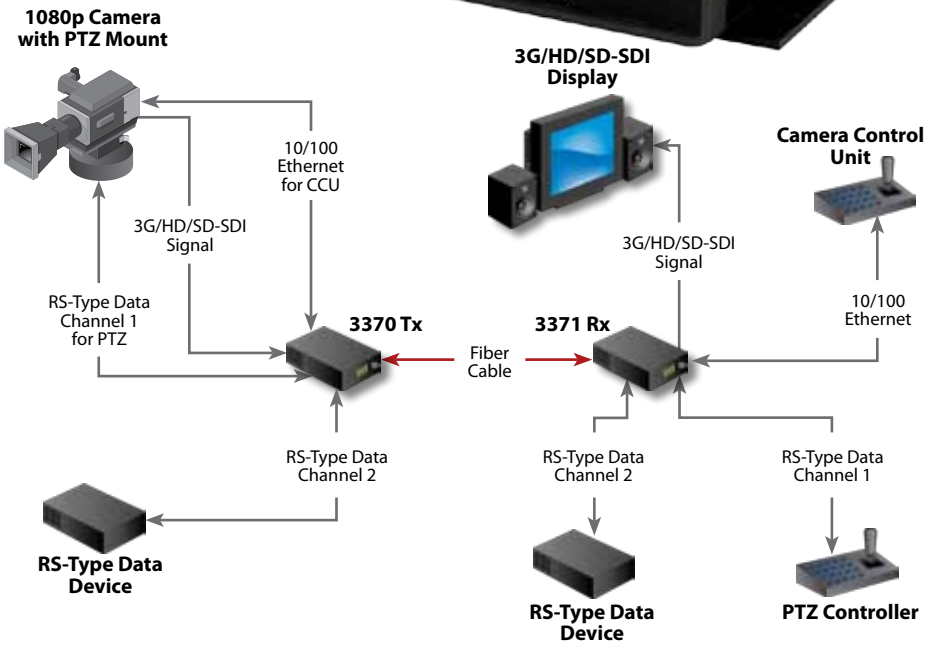
3370 3G/HD/SD-SDI & 2 Channels of RS-Type Data plus 10/100 Ethernet

Broadcast quality 3G/HD/SD-SDI & up to 2 channels of RS-Type Data plus 10/100 Base-T Ethernet over one single mode or two multimode fibers!

Ideal Applications:

Broadcast or corporate studios, OB Vans, Point-of-View Cameras, 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	1	→
RS-Type Data	2	↔
10/100 Ethernet	1	↔



Features

- Transmit up to 2 channels of bi-directional RS-Type data.
- Transmit 10/100 Base-T Ethernet
- All data and ethernet channels available simultaneously
- SDI signal is equalized and re-clocked prior to fiber optic transmission
- Receiver features a re-clocked SDI output
- Immunity to pathological patterns over entire link budget and operating temperature range
- Compliant with SMPTE 259M-2006, 292-2006, 424M-2006, 276M
- Supports one single mode fiber or two multimode fibers
- Supports 3G/HD/SD-SDI inputs with or without embedded audio and data
- 14 dB Optical Link Budget @ 2.97 Gbps
- Available in Box and Card versions
- ST or LC connectors available

Ordering Information

Part Number	Description	Fiber Cores
3370-x7z	Transmitter	1 (SM)
3371-x7z	Receiver	1 (SM)
3372-x7z	Transmitter	2 (MM)
3373-x7z	Receiver	2 (MM)
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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Fiberlink® 3370 Series General Specifications

Number of Fibers Required:	1 fiber for single mode fiber 2 fibers for multimode fiber
Indicators:	Power, Data Rate lock (3G, HD, SD), Alarm (card version only), RS-Data Channel 1, RS-Data Channel 2 & Ethernet LEDs on RJ-45 Connector
Box Version Dimensions:	6.5 W x 1.15 H x 8 L (inches) 165 W x 29 H x 203 L (mm)
Weight:	approx. 1 lb.; 0.45 kg
Slots in 6000A Card Cage:	2
Power:	9-24 volts, AC or DC 3370: 4.8 watts, 16.4 BTU/Hr 3371: 4.65 watt s, 15.87 BTU/Hr
Operating Temperature:	-10º C to +50º C
MTBF:	36,000 Hours

Ethernet Specifications:

Port:	10/100 Base-T, RJ-45 connector, Configured as MDI
Speed:	10 Mbps & 100 Mbps Ethernet, Switch Selectable

Data Specifications:

Data Channels	2 Channels, Bi-Directional
Data Bandwidth	DC to 115 Kb/sec, max.
Control Format	Switch selectable RS-232, RS-422 & RS-485 (4 wire or 2 wire);
Protocols	NRZ, NRZI, RZ, Manchester, Bi-phase
Signal Connectors:	Removable terminal block

Fiberlink® 3370 Transmitter Specifications

Serial Video BNC Input

Number of Inputs	1
Data Rate Range	270 Mbps to 2.97 Gbps
Supported Standards	SMPTE 259M, 292, 297-2006, 424M-2006
Re-clocked Data Rates	270 Mbps (SMPTE 259M), 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

FIBERLINK®
VIDEO, AUDIO & DATA OVER FIBER

3370 3G/HD/SD-SDI & 2 Channels of RS-Type Data plus 10/100 Ethernet

Fiberlink® 3370 Transmitter

Front Panel LEDs quickly reveal the 3370's Video & Data input status

Dip Switches allow for quick configuration of your data preferences

The 3371 Receiver Data LEDs quickly reveal which channels have data present

Available as a box or a card

Fiberlink® 3371 Receiver

The Fiberlink® 3370 Series is available in a card version that is compatible with the Fiberlink® 6000A Rackmountable Card Cage.

Fiberlink® 3370 Transmitter Specifications

Fiber Optic Output

Connector	LC or ST
Wavelengths Used	1310nm, 1490nm, 1550nm
Emmiter Type	FP Laser
Output Power *(nominal)*	-4.5 dBm
SDI Re-clocking	At 270 Mbps, 1.485 Gbps & 2.97 Gbps

Fiberlink® 3371 Receiver Specifications

Fiber Optic Input

Connector	LC or ST
Wavelength	1100 - 1620 nm
Minimum Input Sensitivity	-17 dBm at 2.97 Gbps; -20 dBm at 1.485 Gbps -21 dBm at 270 Mbps;
Maximum Input Power	0 dBm

Serial Video BNC Output

Number of Outputs	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

Operating Loss Budget & Maximum Usable Distance*

Fiber Type	Loss(dB)	Data Rate	Distance
Single Mode	0-14	2.97 Gbps	30 km
	0-17	1.485 Gbps	48 km
	0-20	270 Mbps	50 km
Multimode (62.5u)	0-14	2.97 Gbps	.8 km
	0-17	1.485 Gbps	1 km
	0-20	270 Mbps	2.5 km
Multimode (50u)	0-14	2.97 Gbps	1 km
	0-17	1.485 Gbps	1.3 km
	0-20	270 Mbps	3 km

*Distance specifications are approximate, based upon connecting a 3370 Transmitter to a 3371 Receiver, and are not guaranteed. CSI cannot estimate or guarantee operating loss budgets when the 3370 Series is used with other, non-Fiberlink devices. Operating loss budget must not be exceeded.

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Accessories

Fiberlink® 6656 Visible Light Source

The Fiberlink 6656 is a light-weight, hand-held tool used to quickly troubleshoot faults in the continuity of both single-mode and multimode fibers. High-intensity visible laser allows for visible fault location of breaks and microbends in both single-mode and multimode fibers

Fiberlink® 6650 Optical Power Meter

The Fiberlink 6650 Optical Power Meter is a high accuracy, high resolution, microprocessor controlled optical power meter. 65 dB dynamic range; calibrated to measure 850, 1300, 1310 and 1550nm. Works with multi-mode and single mode fiber. Graphical LCD display with intuitive user interface with simple 2-key operation.

Fiberlink® 6652/6654 Light Sources

The Fiberlink® Light Source offers a laser output at selectable wavelengths, allowing for convenient, on-site testing of fiber networks during construction and maintenance procedures.

Fiberlink® 6658

The Fiberlink® Opticla Length Meter Measures the length of both single mode and multimode fiber with accuracy of ± 2.5 meters. Generates a pulsed signal for use with fiber identifiers. Easy-to-read bright red 7-segment LED display. Comes equipped with industry preferred ST connectors.

Other 3G-SDI Products

Fiberlink Matrix

Fully configurable 32x32 Optical Matrix

Fiberlink 3350 3G/HD/SD-SDI Series

SMPTE compliant 3G/HD/SD-SDI over one single mode or multimode fiber optic core

Scan Do® HD

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

FIBERLINK®
VIDEO, AUDIO & DATA OVER FIBER

3370 3G/HD/SD-SDI & 2 Channels of RS-Type Data plus 10/100 Ethernet

GSA Schedule
Contract GS-03F-5063C

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

3 YEAR LIMITED WARRANTY

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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