



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:

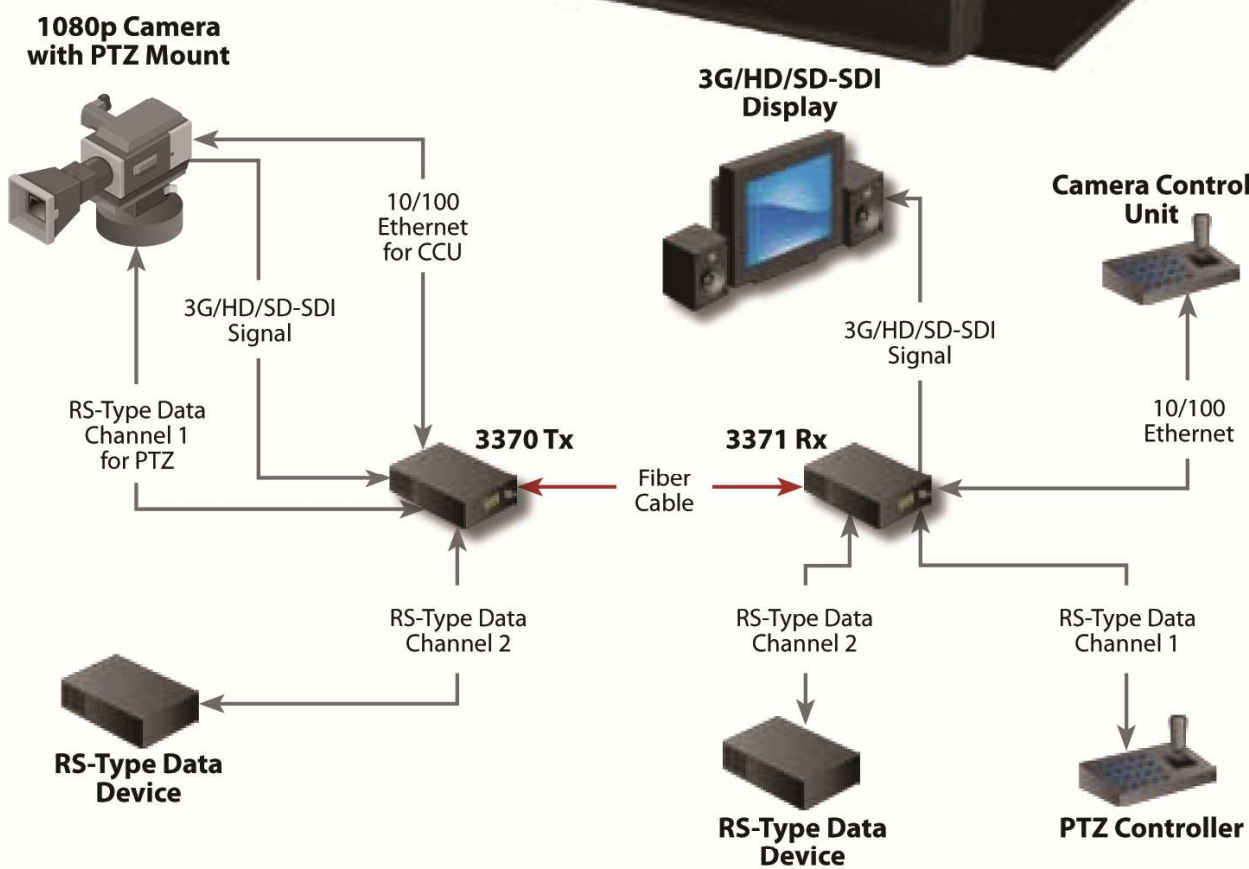
Broadcast or corporate studios, OB Vans, Point-of-View Cameras, Rental & Staging, auditoriums, stadiums and theaters, airport or transportation hubs, distance learning, surgical or medical imaging and more!



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

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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
Number of 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	-10° C to +50° C
MTBF:	36,000 Hours

Ethernet Specifications:

Port:	10/100 Base-T, RJ-45 connector, Auto-MDIX
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 494M)
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



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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
Emitter 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; -22 dBm at 1.485 Gbps -24 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; < 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® 6610 Visible Light Source

The Fiberlink® Visible Light Source provides a visible 650 nm laser output that can be used for identifying fiber breaks and individual fibers within fiber bundles, allowing for convenient, on-site testing of fiber networks during construction and maintenance procedures.



Fiberlink® 6615 Optical Power Meter

The Fiberlink® Optical Power Meter measures the power of optical signals at 850, 980, 1310 and 1550 nm wavelengths, allowing for convenient, on-site testing of fiber networks during construction and maintenance procedures. It can be used to measure the power of an optical signal reaching the receiving end of a fiber optic cable, as generated either by a transmitter unit or by a light source such as the 6620.



Fiberlink® 6620 Three Wavelength Light Source

The Fiberlink® Three Wavelength Light Source offers a laser output at wavelengths of 1310 and 1550 nm and VCSEL output at 850 nm, allowing for convenient, on-site testing of fiber networks during construction and maintenance procedures.

Other 3G-SDI Products

Fiberlink Matrix

Fully configurable 32x32 Optical Matrix



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

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



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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