

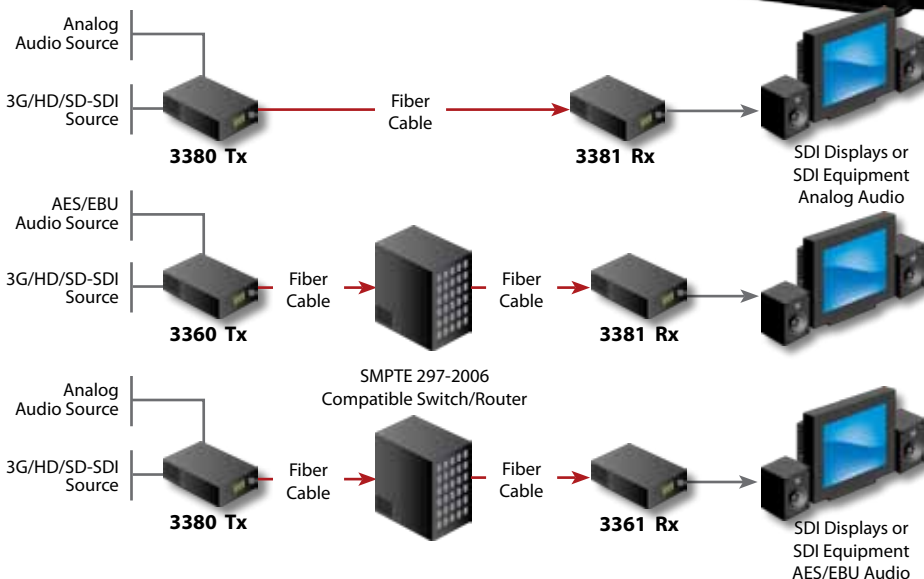


3380 3G/HD/SD-SDI & 4 Channels of Analog Audio Series

Broadcast quality 3G/HD/SD-SDI & Line Level Analog Audio transmission over one single mode or multimode fiber with full SMPTE compliance.

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	1	→
Analog Audio	4 (2 Pairs)	→

Features

Inserts up to 4 channels (2 pairs) of Analog Line Level audio

Balanced and unbalanced audio support

Transmitter can pass existing embedded audio or insert audio on a pair by pair basis

Compatible with Fiberlink 3360 for conversion between digital and analog audio.

Signal is equalized and re-clocked prior to fiber optic transmission

Receiver features a re-clocked SDI output

Designed for fiber optic interoperability with other SMPTE 297-2006 fiber optic compliant devices up to 2.97 Gbps

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

Compliant with SMPTE 259M-2006, 292-2006, 424M-2006, 297-2006, 272M, 291M, 299-2008

Supports both Single Mode and Multimode (62.5u & 50u) fiber types

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

Available XLR breakout cables

Ordering Information

Part Number	Description	Fiber Cores
3380-x7z	Transmitter	1
3381-x7z	Receiver	1
PDPS-2-pp	Power Supply	
1252	DB-25M to 4 XLR-M 10 Foot Cable	
1253	DB-25M to 4 XLR-F 10 Foot Cable	

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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info@commspecial.com

Fiberlink® 3380 Series General Specifications

Indicators	Power, Data Rate lock (3G, HD, SD), Audio Status, Alarm (card version only)
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 DC or 24 volts AC 3380: 8.6 Watts, 29.3 BTU/Hr 3381: 10.3 Watts, 35.1 BTU/Hr
Operating Temperature	-10° C to +50° C
MTBF	39,000 Hours

Fiberlink® 3380/3381 Series Audio Specifications

Number of Audio Channels	4; Input balanced or unbalanced Output: balanced, unbalanced loads supported with a 6 dB loss
Embedding (3380)	Selectable by group & pair; SMPTE compliant
SDI Pre-Embedded Audio	All channels supported for pass-through Pairs may be passed or embedded and are selectable on pair by pair basis
De-Embedding (3381)	Selectable by group and channel Channels may be muted or outputted on a channel by channel basis
Frequency Response	20 Hz - 20 kHz, +0/-0.5 dB
Bits-per-Sample/Sampling Rate	24 bits; 48 kHz
Maximum Audio Level	+24 dBu
SNR (A-Weighted)	105 dB
THD+N	0.002%, 20 Hz - 20 kHz
Channel Phase Differential	±0.05°
Crosstalk	Min. 100 dB (1 kHz)
Input Impedance	600 Ohms terminated; >24 k Ohms unterminated
Output Impedance	50 Ohms
Switches	TX: Dip switches to select input termination TX/RX: Select one of four groups TX: Embed/Pass on a per-pair basis RX: Output/Mute on a per-channel basis
Connector	DB-25F, TASCAM Configuration, Channels 1-4



3380 3G/HD/SD-SDI & 4 Channels of Analog Audio Series



Front Panel LEDs quickly reveal the 3380's Video & Audio input status

Dip Switches allow for quick configuration of your audio embedding preferences and audio termination

Re-clocked 3G/HD/SD-SDI BNC Connector

Industry Standard DB-25F, TASCAM Configuration



Available with ST or LC Optical Connectors

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 3380 Transmitter to a 3381 Receiver, and are not guaranteed. CSI cannot estimate or guarantee operating loss budgets when the 3380 Series is used with other, non-Fiberlink devices. Operating loss budget must not be exceeded.

The Fiberlink® 3380 Series is available in a card version that is compatible with the Fiberlink® 6000A Rackmountable Card Cage.



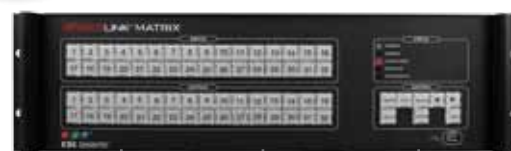
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**Smart & Simple 3G/HD/SD-SDI
Signal Routing with
Fiberlink Matrix**

**Fiberlink®
3380 3G/HD/SD-SDI with
Analog Audio Transmitter**



**Fiberlink® Matrix
32x32 Optical Matrix**



**Fiberlink®
3381 3G/HD/SD-SDI
with Analog Audio
Receiver**



**Fiberlink®
3353 3G/HD/SDI to
HDMI Receiver**



**Fiberlink®
3361 3G/HD/SD-SDI with AES/EBU
Digital Audio Receiver**

**Perfect for
Cross
Converting!**

Fiberlink® 3380 Transmitter Specifications

Serial Video BNC Input

Number of Inputs	1
Data Rate Range	270 Mbps to 2.97 Gbps
Supported Standards	SMPTE 259M, 292, 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

Optical Output

SMPTE 297-2006 Labeling	L-PC-ABCD-1310
Connector	LC receptacle, PC polish or ST
Wavelength	1310nm (nominal)
Emitter Type	FP Laser
Output Power (nominal)	-3.5 dBm at 270 Mbps; -3.5 dBm at 1.485 Gbps; -3.5 dBm at 2.97 Gbps
Re-clocking	At 270 Mbps, 1.485 Gbps & 2.97 Gbps

Fiberlink® 3381 Receiver Specifications

Fiber Optic Input

SMPTE 297-2006 Labeling	PC-ABCD-1310-1550
Connector	LC receptacle, PC polish 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

Other 3G-SDI Products

Fiberlink Matrix

Fully configurable 32x32 Optical Matrix



3380 3G/HD/SD-SDI & 4 Channels
of Analog Audio Series



Schedule
Contract GS-03F-5063C



Fiberlink 3350 3G/HD/SD-SDI Series

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



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



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

Transmit 3G, HD or SD-SDI with the ability to embed/de-embed up to
8 channels (4 pairs) of AES/EBU digital audio.



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

Sales



**Communications
Specialties, Inc.**

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