

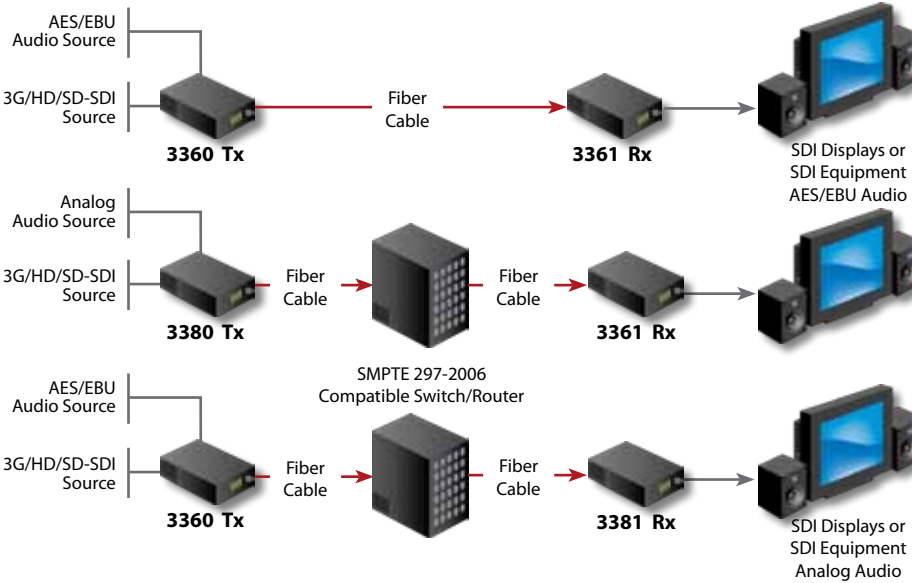


3360 3G/HD/SD-SDI & 4 Pairs of AES/EBU Digital Audio Series

Broadcast quality 3G/HD/SD-SDI & AES/EBU Digital 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	→
AES/EBU	8 (4 Pairs)	→

Features

- Inserts up to 8 channels (4 pairs) of AES/EBU digital audio
- Automatic Sample Rate Conversion (SRC) of audio inputs
- 75 ohm, unbalanced BNC audio interface per AES3id and SMPTE 276M
- Transmitter can pass existing embedded audio or insert audio on a pair by pair basis
- Compatible with Fiberlink 3380 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, 276M
- 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

Ordering Information

Part Number	Description	Fiber Cores
3360-x7z	Transmitter	1
3361-x7z	Receiver	1
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

631-273-0404 | commspecial.com
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Fiberlink® 3360 Series General Specifications

Indicators	Power, Data Rate lock (3G, HD, SD) 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, AC or DC, 3360: 8 watts, 27.30 BTU/Hr 3361: 2.5 watts, 8.53 BTU/Hr
Operating Temperature	-10° C to +50° C



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

Fiberlink® 3360 Transmitter



Front Panel LEDs quickly reveal the 3360's Video & Audio input status

Dip Switches allow for quick configuration of your audio embedding preferences

Front Panel Audio LEDs quickly reveal which pairs have audio present

The 3361 Receiver allows you to choose which audio pairs to de-embed or mute



Fiberlink® 3361 Receiver

The Fiberlink® 3360 Series is available in a card version that is compatible with the Fiberlink® 6000A Rackmountable Card Cage.

Fiberlink® 3360 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

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 (<i>nominal</i>)	-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

Audio Specifications

Unbalanced, 75 ohms, BNC per AES3id and SMPTE 276M	
Channels	8 (4pairs)
Embedding	Selectable per pair
Sample Rate Conversion (SRC)	32-96 kHz input range converted to 48 kHz
SDI pre-embedded audio	All channels supported for pass through. Pairs 1 to 4 may be stripped selectable for each pair

Fiberlink® 3361 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

Audio Specifications

Unbalanced, 75 ohms, BNC per AES3id and SMPTE 276M	
Channels	8 (4pairs)
Output mute	Each audio output pair may be muted on a selectable basis

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 3360 Transmitter to a 3361 Receiver, and are not guaranteed. CSI cannot estimate or guarantee operating loss budgets when the 3360 Series is used with other, non-Fiberlink devices. Operating loss budget must not be exceeded.



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

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

Fiberlink® 3360 3G/HD/SD-SDI with AES/EBU Audio Transmitter



Fiberlink® Matrix 32x32 Optical Matrix



Perfect for Cross Converting!



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

Other 3G-SDI Products

Fiberlink Matrix

Fully configurable 32x32 Optical Matrix



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



Fiberlink® 3380 3G/HD/SD-SDI with 4 Channel of Analog Audio Series

Transmit 3G, HD or SD-SDI with the ability to embed/de-embed up to
4 channels (2 pairs) of analog audio.



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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UPDATED 9/30/2014

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