



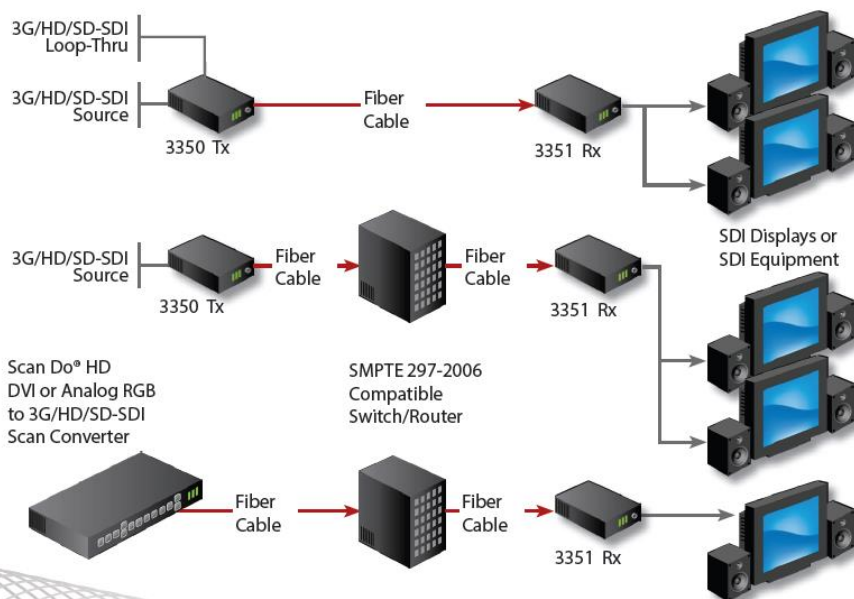
FiberLink 3350 3G/HD/SD-SDI Series



Broadcast quality 3G/HD/SD-SDI Transmission over one single mode or multimode fiber with full SMPTE compliance and embedded audio and data signal support.

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

The FiberLink 3350 Series is available in a card version that is compatible with the FiberLink 6000A Rackmountable Card Cage.



FEATURES

3G/HD/SD-SDI over Fiber

Ideal applications for: Broadcast or corporate studios, OB Vans, Rental & Staging, auditoriums, stadiums and theaters, airport or transportation hubs, distance learning, surgical or medical imaging

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

Transmitter features a re-clocked SDI loop through

Receiver features two re-clocked SDI outputs
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

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

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

Card version compatible with the FiberLink 6000A Rack Card Cage

Designed and Manufactured in the USA by Artel Video Systems

FiberLink 3350 3G/HD/SD-SDI Series

SPECIFICATIONS

General Specifications

Indicators	Power, Data Rate lock (3G, HD, SD/DVB-ASI) Alarm (Card Version Only)
Box Version Dimensions	5.21 x 3.50 x 1.15 (in) 133 x 89 x 30 (mm)
Weight	6.9 ounces, 196 grams
Slots in 6000A Card Cage	1
Power	9-24 volts, AC or DC, 3350: 1.6 watts, 5.46 BTU/Hr 3351: 1.4 watts, 4.78 BTU/Hr
Operating Temperature	-10° C to +50° C

FiberLink 3350 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, 297-2006, 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

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
CWDM Capable	Yes, Contact Sales

FiberLink 3351 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 Outputs

Number of Outputs	2
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 3350 Transmitter to a 3351 Receiver, and are not guaranteed. Artel cannot estimate or guarantee operating loss budgets when the 3350 Series is used with other, non-FiberLink devices. Operating loss budget must not be exceeded.



UPDATED 06/24/2016



Schedule
Contract GS-03F-018CA

All specifications subject to change without notice. ©2016

Ordering Information

Part Number	Description	Fiber Cores
3350-x7z	Transmitter	1
3351-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



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