

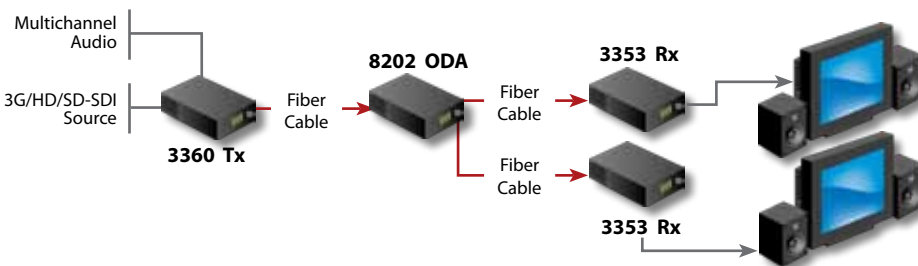


3G/HD/SD-SDI Optical Distribution Amplifier

One to four output optical distribution amplifier with switch selectable copper or optical signal input source.

Ideal Applications:

Broadcast or corporate studios, OB trucks, distance learning, remote studio monitoring, rental and staging, auditoriums, stadiums and theaters, airport or transportation hubs, surgical or medical imaging and more!



Features

- Switch selectable copper or optical 3G/HD/SD-SDI input
- Supports 3G/HD/SD-SDI and DVB-ASI signals
- Available with one to four outputs
- Copper and optical ports are SMPTE compliant
- All 3G/HD/SD-SDI and DVB-ASI signals are equalized and re-clocked
- Active re-clocked BNC loop of selected input (BNC or Optical)
- Support pathological patterns across the entire operating temperature range
- Available with LC or ST connectors
- Supports single mode and multimode fibers in one unit
- Optional CWDM compatible optical outputs available
- Can be used as an inline repeater for optical extension
- Can be used to interface between multimode and single mode fibers with active repeating
- Fiberlink Matrix compatible
- Small, compact design as standalone box
- Card version available for 6000A card cage
- Low power consumption - 3.6 watts

Ordering Information

Part Number	Description	Fiber Outputs
8201-xzm	One Output Optical Distribution Amp	1
8202-xzm	Two Output Optical Distribution Amp	2
8203-xzmmm	Three Output Optical Distribution Amp	3
8204-xzmmmm	Four Output Optical Distribution Amp	4
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:	S	ST Connector
	C	Card Version		L	LC Connector
m:	7	Standard 1310nm FP laser	I	1470	
	A	1310nm DFB laser	J	1490	
	B	1330	K	1510	
	C	1350	L	1530	
	D	1370	M	1550	
	E	1390	N	1570	
	F	1410	O	1590	
	G	1430	P	1610	
	H	1450			

Sales



CSI Communications Specialties, Inc.

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General Specifications

Indicators	Power, Data Rate Lock (3G, HD, SD/DVB-ASI) Alarm (Card Version Only)
Switch	Selects BNC or Optical input
Box Version Dimensions	6.5 W x 1.15 H x 6 L (inches) 165 W x 29 H x 152 L (mm)
Weight	14 ounces, 398 grams
Slots in 6000A Card Cage	2
Power	9-24 volts, DV or AC, 3.6 watts 12.28 BTU/Hr
Operating Temperature	-10° C to +50° C
Compatibility:	Fiberlink Matrix, 7820, 3350, 3360, 3380, 2302/4, 3353, 3355 and other SMPTE compliant devices

Serial Video BNC Input

Number of Inputs	1
Date 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

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 Loop-Through Output

Number of Loop-Throughs	1
Signal Level	800mV \pm 10%
DC Offset	0V \pm 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 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 at 2.97 Gbps with color bar signal
Re-clocking	At 270 Mbps, 1.485 Gbps and 2.97 Gbps

Optical Output

Connector	LC or ST
Wavelength	1310nm (nominal)
Emitter Type	FP Laser
Output Power (nominal)	-3.5 dBm at 270 Mbps, 1.485 Gbps & 2.97 Gbps
Re-clocking	At 270 Mbps, 1.485 Gbps and 2.97 Gbps



3G/HD/SD-SDI Optical Distribution Amplifier



Schedule
Contract GS-03F-5063C



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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