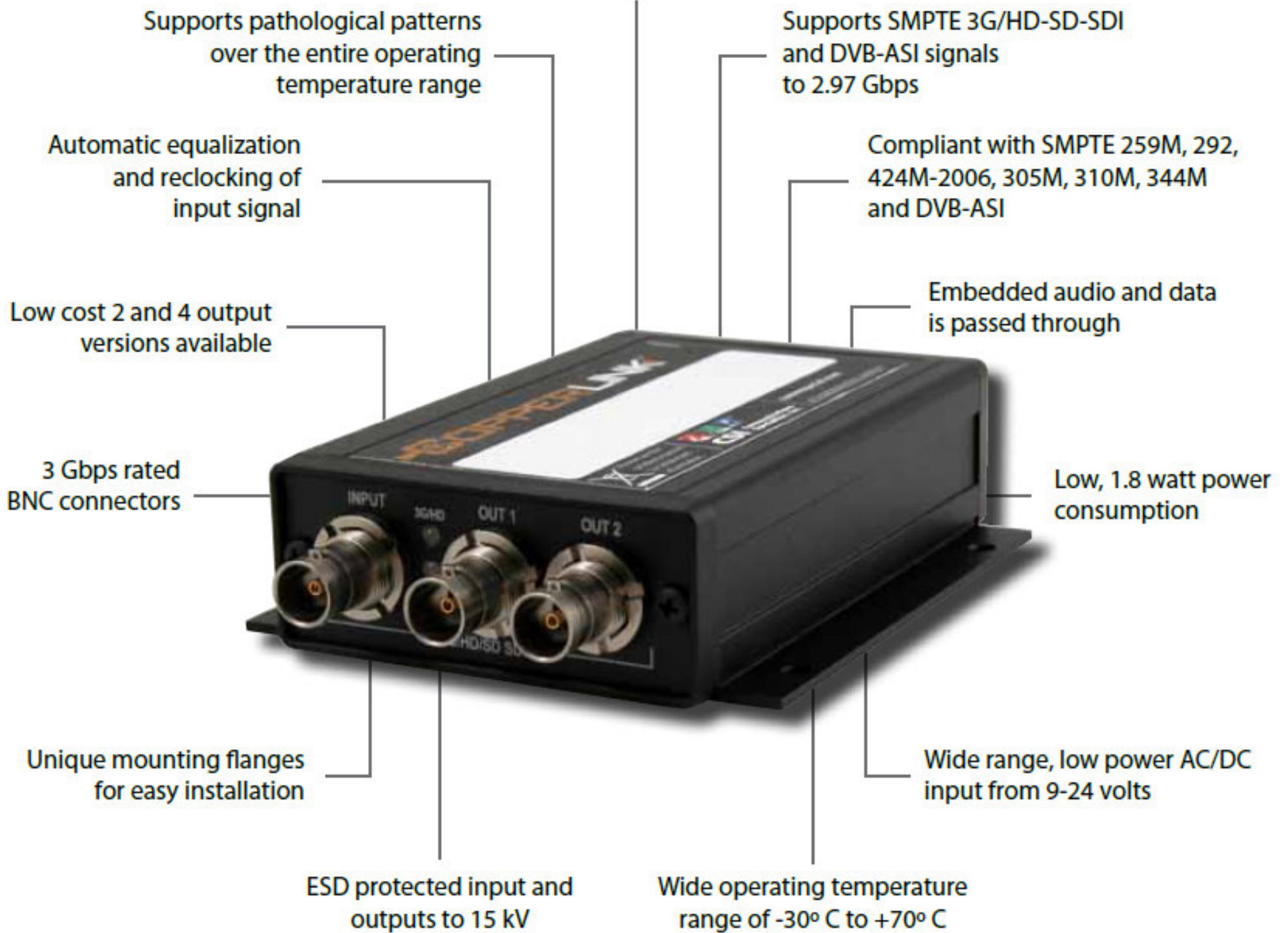




**3G/HD/SD-SDI Distribution Amplifiers**  
Broadcast quality 3G/HD/SD-SDI signal distribution with full SMPTE compliance, equalization and reclocking.

**Not all SDI distribution amplifiers are created equal...**

All outputs are independently buffered and non-inverting for proper DVB-ASI support



**Ordering Information**

Part Number	Description	Outputs
2302-BOX	2 Channel Distribution Amplifier	2
2304-BOX	4 Channel Distribution Amplifier	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

**Sales**



**CSI Communications Specialties, Inc.**  
 631-273-0404 | [commspecial.com](http://commspecial.com)  
[info@commspecial.com](mailto:info@commspecial.com)



## Copperlink 2302/2304 Specifications

### Serial Video BNC Input

Number of Inputs	1
Data Rate Range	19.4 Mbps to 2.97 Gbps
Supported Standards	SMPTE 259M, 292, 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 120m of Belden 1694A at 2.97 Gbps, 175m at 1.485 Gbps and 350m at 400 Mbps
Return Loss	>10dB up to 2.97 Gbps

### Serial Video BNC Outputs

Number of Outputs	Model 2302: 2 Model 2304: 4
Signal Level	800mV ± 10%
DC Offset	0V ± 0.1V
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

### General Specifications

Indicators	Power, Data Rate Lock (3G, HD, SD/DVB-ASI) Alarm (Card version only)
Dimensions	5.21 x 3.50 x 1.15 (in) 133 x 89 x 30 (mm)
Weight	7.9 ounces, 210 grams
Number of slots in card cage	Model 2302: 1 Model 2304: 2
Power	9-24 volts, AC or DC 6.14 BTU/Hr 1.8 watts
Operating Temperature	-30° C to +70° C
MTBF	250,000 Hours



3G/HD/SD-SDI Distribution  
Amplifiers Models 2302 & 2304



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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Specialties, Inc.

631-273-0404 | [commspecial.com](http://commspecial.com)  
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