

fiber options

OH-TT-12G-SDI SFP Data Sheet

12G Dual Channel SDI HD-BNC Electrical Transmitter

- Supports pathological patterns 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI and SD-SDI
- Support for SMPTE-2082-1, SMPTE-2081-1, SMPTE-424, SMPTE-292 and SMPTE-259
- SFF-8431 compliant.
- HD BNC Connector (75 Ω)
- Compatible with DVB-ASI and AES10 (MADI)
- Pluggable and hot swappable

The OH-TT-12G-SDI is a 12G SDI dual channel electrical transmitter module with HD-BNC connectors. It transmits SDI electrical signals up to ST-2082-1 (12G), ST-2081-1 (6G), ST-424 (3G), ST-292 (HD), and ST-259 (SD) and DVB-ASI over Belden 1694A cable via BNC/HD-BNC connector. It handles 12Gbps pathological patterns. The package is hot pluggable SFP.

A socket, or a "cage" is provided for the SFP in the supporting LYNX product for easy installation or upgrade. This SFP module is hot swappable.



Specifications

SDI Output (TX)		
Video Standards	Multi-standard operation from ST 2082-1 (12G), ST-2081-1 (6G), ST-424 (3G), ST-292 (HD) and ST-259M (SD)	
Connection	HD BNC	
Impedance	75Ω	
Output swing, single ended (mVp-p)	400 (min) to 800 (max)	
Serial Data Rate	SD (ST-259M)	270 (Mbps)
	1.5G (ST-292M)	1483~1485 (Mbps)
	3G (ST-424M)	2967~2970 (Mbps)
	6G (ST-2081M)	5934~5940 (Mbps)
	12G (ST-2082M)	11868~11880 (Mbps)
Testing cable model:	Belden 1694A	
Return Loss	Bandwidth 0 -1.5 GHz	>15 dB (typical)
	Bandwidth 1.5-3 GHz	>10 dB (typical)
Alignment Jitter*	SD (ST-259M)	< 0.2 UI
	1.5G (ST-292M)	< 0.2 UI
	3G (ST-424M)	< 0.3 UI
	12G (ST-2082M)	< 0.3 UI

*Measured while the SFP was active in a LYNX Technik device.

Mechanical

Parameter	
Size (not including connector - typ)	57mm x 13.4mm x 12.4mm
Weight	50g
SFP Connector pinning	MSA
Connections	HD BNC (75Ω)
Operating Temperature Range	-40°C - 85°C
Power Supply Voltage	3.3VDC
Power Consumption	165mA typical, 220mA max
Humidity (non condensing)	85%

Ordering Information

EAN / UPC	Model	Description
4250479328181	OH-TT-12G-SDI	12G/6G/3G/HD/SD video SFP, Dual Transmitter, HD BNC connector