

# fiber options

## OH-RX-12G-SDI SFP Data Sheet

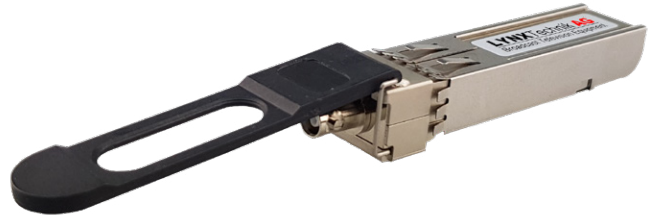
### 12G SDI Single Channel Electrical Receiver

- Supports pathological patterns 12G-SDI, 6G-SDI, 3G-SDI and HD-SDI
- Support for SMPTE 2082, SMPTE 424M, SMPTE 292M.
- SFF-8431 compliant.
- Micro BNC or High-Density BNC Connector
- For use with greenMachine, yellobrik and Series 5000 product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant

The OH-RX-12G-SDI single channel electrical receiver is an integrated plug in option for selected LYNX Technik products. This SFP module facilitates the transmission of SDI electrical signals up to ST-2082-1 (12G), ST-2081-1 (6G), ST-424 (3G) and ST-292 (HD) via micro BNC connector.

The OH-RX-12G-SDI module can be used as an electrical input for LYNX products which provide an SFP slot. This module is paired with OH-TX-12GSDI single channel electrical transmitter module to transmit signals up to a maximum distance of 65m at 12Gbps.

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 Input (RX)	
Video Standards	Multi-standard operation from ST 2082-1 (12G), ST-2081-1 (6G), ST-424 (3G), and ST-292 (HD)
Connection	Micro BNC
Impedance	75Ω
Output swing, single ended (mVp-p)	400 (min) to 800 (max)
Serial Data Rate 12G (ST-2082M)	11868~11880 (Mbps)
Serial Data Rate 6G (ST-2081M)	5934~5940 (Mbps)
Serial Data Rate 3G (ST-424M)	2967~2970 (Mbps)
Serial Data Rate 1.5G (ST-292M)	1483~1485 (Mbps)
Testing cable model:	Belden 1694A

Mechanical	
Size (not including connector - (typ))	57mm x 13.4mm x 12.4mm
Weight	50g
SFP Connector pinning	MSA
Operating Temperature Range	5°C - 40°C
Power Supply Voltage	3.3 VDC
Power Consumption	140 typ. to 204 max
Humidity (Non Condensing)	85%

### Ordering Information

EAN / UPC	Model	Description
4250479326668	OH-RX-12G-SDI	12G/6G/3G/HD video SFP, Receiver, High Density BNC connector

Country of manufacture: Taiwan

Rev 1.3 Specifications subject to change

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