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Copper SFP HD Video Modules

FiberPlex SFP-BHDV SFP with HD-BNC copper interface for 3G-SDI HD Video



FiberPlex

3G-SDI HD Video SFP

Overview

The SFP-BHDVXC-0000-L is a long-reach electrical Small Form Pluggable (SFP) transceiver module designed with reclockers to transmit and receive SDI signals up to 2.97 Gbps over 75Ω coaxial cables via HD-BNC™ connectors. The cable driver slew rate is automatically configured in order to achieve compliance to SMPTE 424M, SMPTE 292M and SMPTE 259M. The equalizer features DC restoration to compensate for the DC content of SMPTE pathological test patterns. By suppressing accumulated jitter, each reclocker procures optimal input and output jitter performance.

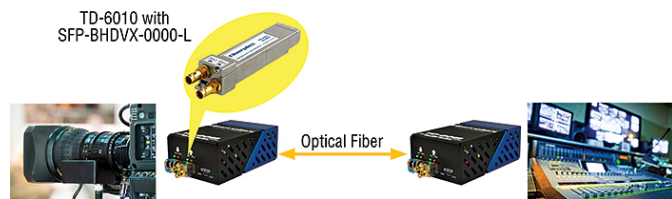
Features

- Compliant with SMPTE 424M, 344M, 292M and 259M
- Supports DVB-ASI at 270 Mbps
- Supports video pathological patterns SD-SDI, HD-SDI and 3G-SDI
- Integrated cable driver (control input signal detection, reclocker rate & lock, voltage and temp, bypass reclocker stage and module info)
- Supports Audio in SDI stream
- HD-BNC™ connectors (75Ω)
- Extended Temperature Range -40°C to 80°C

The SFP-BHDVXC-0000-L provides module identification information and configuration through a two wire serial interface. It is also a hot-pluggable solution for field system upgrade and maintenance. The SFP-BHDVXC-0000-L is interchangeable with other MSA optical video SFP improving product flexibility. Ganged, belly-to-belly, and superposed SFP cage mountings are supported. The module is SMPTE compliant resulting in reduced development effort and cost.

Applications

Typical Applications include Multi-channel/multi-media transport with the WDM16, Distribution amplifiers, Processing cards, Video routers, Broadcast cameras.



SFP module enclosure options

If you need an enclosure to use with the SFPs, these FiberPlex products are available:



FOI-6010 Fiber Optic Isolator Transceiver Workbox



TD-6010 Throw-Down Workbox



WDM16 16-Channel and WDM8 8-Channel Wavelength Division Multiplexers

Note: If you need an SFP, but do not see what you are looking for, please call +1 301 975 1000.

Specifications

The specifications for this product are contained in the User Manual

Ordering

#	Model #	Description	Availability
1	SFP-BHDVAL-0000-R	SFP, HD-BNC, HD Video (3G) Active Loop Reclocked, Long Reach w/ Reclocking, MSA	Special Order
2	SFP-BHDVAL-0000-RN	SFP, HD-BNC, HD Video (3G), Single Receiver w/ Active Loopback , Long Reach w/ Reclocking, Non-MSA	General Availability
3	SFP-BHDVDA-0000-L	SFP, HD-BNC, HD Video (3G) Distribution Amplifier, Long Reach, MSA	Special Order
4	SFP-BHDVDA-0000-LN	SFP, HD-BNC, HD Video (3G) Distribution Amplifier, Long Reach, Non-MSA	Special Order
5	SFP-BHDVR2-0000-LN	SFP, HD-BNC, HD Video (3G) Dual Receive, Long Reach, Non-MSA	Special Order
6	SFP-BHDVR2-0000-MN	SFP, HD-BNC, HD Video (3G), Dual Receive , Medium Reach, Non-MSA	General Availability
7	SFP-BHDVR2-0000-RN	SFP, HD-BNC, HD Video (3G) Dual Receive, Long Reach w/ Reclocking, Non-MSA	Special Order
8	SFP-BHDVT2-0000-LN	SFP, HD-BNC, HD Video (3G) Dual Transmit, Long Reach, Non-MSA	Special Order
9	SFP-BHDVT2-0000-RN	SFP, HD-BNC, HD Video (3G) Dual Transmit, Long Reach w/ Reclocking, Non-MSA	Special Order
10	SFP-BHDVXC-0000-L	SFP, HD-BNC, HD Video (3G) Transceiver, Long Reach, MSA	General Availability
11	SFP-BHDVXC-0000-LN	SFP, HD-BNC, HD Video (3G) Transceiver, Long Reach, Non-MSA	Special Order
12	SFP-BHDVXC-0000-M	SFP, HD-BNC, HD Video (3G), Transceiver , Medium Reach, MSA	General Availability
13	SFP-BHDVXC-0000-MN	SFP, HD-BNC, HD Video (3G), Transceiver , Medium Reach, Non-MSA	General Availability
14	SFP-BHDVXC-0000-R	SFP, HD-BNC, HD Video (3G) Transceiver, Long Reach w/ Reclocking, MSA	General Availability
15	SFP-BHDVXC-0000-RN	SFP, HD-BNC, HD Video (3G) Transceiver, Long Reach w/ Reclocking, Non-MSA	Special Order
16	SFP-BUDVR2-0000-RN	SFP, HD-BNC, UHD Video (4K), Dual Receive , Long Reach w/ Reclocking, Non-MSA	General Availability

17	SFP-BUDVT2-0000-RN	SFP, HD-BNC, UHD Video (4K), Dual Transmit , Long Reach w/ Reclocking, Non-MSA	General Availability
18	SFP-DHDVDA-0000-LN	SFP, DIN, HD Video (3G), Distribution Amplifier , Long Reach, Non-MSA	General Availability
19	SFP-DHDVR2-0000-MN	SFP, DIN, HD Video (3G), Dual Receive , Medium Reach, Non-MSA	General Availability
20	SFP-DHDVXC-0000-M	SFP, DIN, HD Video (3G), Transceiver , Medium Reach, MSA	General Availability
21	SFP-HHDVR1-0000-MN	SFP, HDMI Type D, HD Video (3G), Single Receive , Medium Reach, Non-MSA	General Availability
22	SFP-HHDVT1-0000-MN	SFP, HDMI Type D, HD Video (3G), Single Transmit , Medium Reach, Non-MSA	General Availability
23	SFP-HUDVT1-0000-M	SFP, HDMI Type D, UHD Video (4K), Single Transmit , Medium Reach, MSA	General Availability
24	SFP-HUDVT1-0000-MN	SFP, HDMI Type D, UHD Video (4K), Single Transmit , Medium Reach, Non-MSA	General Availability

Item Number	Item Description	Price
SVC-SmartCare-BH (/support/support.asp)	Premium Support for Business Hours	Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/)
SVC-SmartCare-24/7 (/support/support.asp)	Premium Support, 24 x 7 Coverage	for availability and pricing. Contact us (/howtobuy/)
SVC-SmartAssist-BH (/support/support-professional.asp)	Business Hour Support Services	for availability and pricing. Contact us (/howtobuy/)
SVC-SmartAssist-AH (/support/support-professional.asp)	After Hours Support Services	for availability and pricing.

SVC-ENHWAR1 (/support/support-warranty.asp)	1 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR2 (/support/support-warranty.asp)	2 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR3 (/support/support-warranty.asp)	3 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR4 (/support/support-warranty.asp)	4 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR5 (/support/support-warranty.asp)	5 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
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SVC-EXTWAR3 (/support/support-warranty.asp)	3 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
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SVC-EXTWAR5 (/support/support-warranty.asp)	5 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.

SVC-NETENG-HOUR
(/support/support-
professional.asp)

Network technician hour rate for pre-config services, after hours support, etc.

Contact us
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availability
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Backgrounders

FiberPlex Capabilities Guide
(/backgrounders/FiberPlex_Capabilities_Statement.pdf)

October 6, 2017

Data Sheets

FiberPlex SFP BHDVXC (/datasheet/Fiberplex_SFP-BHDVXC-0000-
L_DataSheet_160107.pdf)

January 7, 2016

Patton Product Life Cycle Color Codes (/datasheet/Life-Cycle-
Availability-Codes.pdf)

April 24, 2015

Product & Solution Guides

FiberPlex Connectivity Product Guide (/guides/07FPC-OV_lo-res.pdf)
Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf)

August 24, 2018
November 10, 2010

User Manuals & Configuration Guides

FiberPlex 3Gbps SDI SFP Coaxial Transceiver SFP-BHDVXC-0000-R/SFP-
BHDVXC-0000-L User Manual (/manuals/SFP-
BHDVXC_User_Manual_161020.pdf)

October 26, 2016

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