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Copper SFP HD Video Modules

FiberPlex SFP-HHDV SFP with HDMI 1.4 copper interface for 3G-SDI HD Video



FiberPlex

The SFP-HHDV Series are copper HDMI 1.4 HD Video Transmitter/Receiver SFPs

Overview

The SFP-HHDV is a series of electrical transmitter and receiver SFPs designed to convert HDMI/DVI (High definition multimedia interface) to an SDI signal output without scaling artifacts. The SFP-HHDV enforces HDCP, therefore the unit will not pass protected content. Up to 8 channel of audio is supported and de-embedded from the HDMI signal.

The SFP-HHDVR1-0000-M provides module identification information, configuration and diagnostic monitoring through a 2 wire serial interface. It is also a hot pluggable solution for field system upgrade and maintenance. The unit is interchangeable with other MSA optical video SFP, coaxial SFP and SFP converter improving product flexibility. Ganged cages, belly-to-belly and superposed cages mounting are supported.

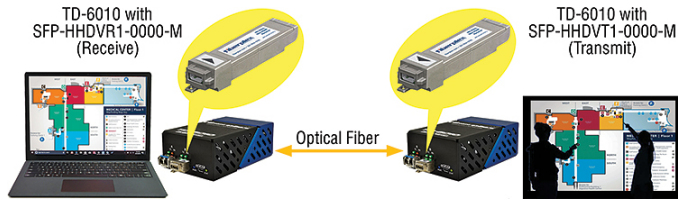
Features

- Compliant with SMPTE 424M, 292M and 259M
- Supported formats 25/625, 720p/1080i (50/59.94/60Hz), 1080p (23.98/24/15/29.97/30/50/59.95/60 Hz)
- Integrated cable driver (HDMI/DVI interface config, EDID reading, audio mapping, voltage and temp, and module info)
- HDMI/DVI Inputs include 24 bit (3x8 bits), RGB 4:4:4, YCbCr 4:2:2, YCbCr 4:4:4, BW = 150Mhz, RGB Range (Full/SMPTE), Up to 8 channel audio de-embedding (PCM), HDMI 1.4 Type D connector, HDMI Type D plug with retention and HDCP supported
- Control via serial interface including Voltage & Temperature Monitoring, HDMI/DVI interface configuration, EDID reading, Audio mapping and Module Information.
- Low Power Consumption Single Supply +3.3V

- Operating temperature: 0°C to 70°C

Applications

Applications include Multi-channel/multi-media transport with a WDM-16, cost effective SDI monitoring and interfacing to processing cards, SDI switchers, video routers and 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-HHDVR1-0000-M | SFP, HDMI Type D, HD Video (3G) Single Receive, Medium Reach, MSA | Special Order |
| 2 | SFP-HHDVT1-0000-M | SFP, HDMI Type D, HD Video (3G) Single Transmit, Medium Reach, MSA | Special Order |

| 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/) for availability and pricing. |
| SVC-SmartCare-24/7 (/support/support.asp) | Premium Support, 24 x 7 Coverage | Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. |
| SVC-SmartAssist-BH (/support/support-professional.asp) | Business Hour Support Services | Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. |
| SVC-SmartAssist-AH (/support/support-professional.asp) | After Hours Support Services | Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. |
| SVC-ENHWAR1 (/support/support-warranty.asp) | 1 Year Enhanced Warranty | Contact us (/howtobuy/) for availability and pricing. Contact us (/howtobuy/) for availability and pricing. |
| SVC-ENHWAR2 (/support/support-warranty.asp) | 2 Year Enhanced Warranty | Contact us (/howtobuy/) for availability and pricing. 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. |
| SVC-EXTWAR2 (/support/support-warranty.asp) | 2 Year Extended Warranty | Contact us (/howtobuy/) for availability and pricing. |
| SVC-EXTWAR3 (/support/support-warranty.asp) | 3 Year Extended Warranty | Contact us (/howtobuy/) for availability and pricing. |
| SVC-EXTWAR4 (/support/support-warranty.asp) | 4 Year Extended Warranty | Contact us (/howtobuy/) for availability and pricing. |
| 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 (/howtobuy/) for availability and pricing. |

Backgrounders

FiberPlex Capabilities Guide
(/backgrounders/FiberPlex_Capabilities_Statement.pdf)

October 6, 2017

Data Sheets

FiberPlex SFP HHDVR1 (/datasheet/Fiberplex_SFP-HHDVR1-0000-L_DataSheet_161018.pdf)

October 18, 2016

FiberPlex SFP HHDVT1 (/datasheet/Fiberplex_SFP-HHDVT1-0000-L_DataSheet_161018.pdf)

October 18, 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)

August 24, 2018

Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf)

November 10, 2010

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