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.

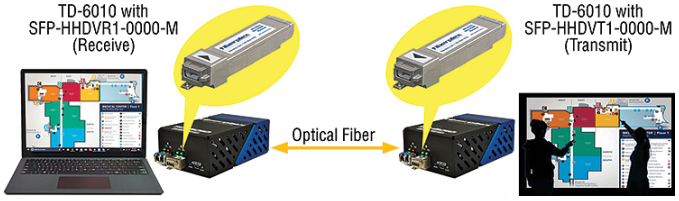
The SFP-HHDVR1-0000-M provides module identification information, configuration and diagnostic monitoring through a 2 wire serial interface. It is also a hot pluggable solution for field system upgrade and maintenance. The unit is interchangeable with other MSA optical video SFP, coaxial SFP and SFP 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

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.



- Operating temperature: 0°C to 70°C

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.
SVC-SmartCare-24/7 (/support/support.asp)	Premium Support, 24 x 7 Coverage	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.
SVC-SmartAssist-AH (/support/support-professional.asp)	After Hours Support Services	Contact us (/howtobuy/) 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.
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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