FPD115

DVI Extender via 4 fiber channel, LC Duplex Connector, Extends DVI connection up to 5 kilometers

DVI (Digital Visual Interface) recently becomes a popular interface between monitor and PC. Electrical Signal limits the transmission length and quality. Teq AV/IT's DVI Extender helps DVI to transmit far away via Optical Fiber

Requirements

DVI PC or DVI signal source (Transmitter)
DVI Monitor or Projector (Receiver)
100~240VAC 50~60Hz 0.2A

Feature

Long distance image transmission
High resolution and image quality
No RF Interference by optical fiber
Class 1 laser product complies with EN 60825-1
CE and FCC approved
DVI-D single link

Application

Remote monitor for traffic, industrial, military control
LCD, Projector, Plasma display connection
Large video wall system
Multi monitor for Advertising

Pseudo EDID support

There is virtual EDID data structure in TX module. This provides pseudo monitor information to the host. Then host can work at different modes by reading this data. It supports all standard modes such as VGA, SVGA, XGA, SXGA andUXGA…etc.

Address: 30162 Tomas, # 201, Rancho Santa Margarita, CA 92688
Phone: (949) 709-4040
Email: info@teqavit.com

FPD115

Specification

Parameter	Specification	Note
Max length	5000M @ UXGA	SMF 4-LC
Max resolution	1920x1200	Single link
Max DVI bandwidth	1.65 Gbps per channel	
EDID support	Pseudo DDC	Customers optional
HDCP compliant	No	
Optical Power Output	-5 dBm ± 3dBm	FPD115-4LC-XX-T
	> 0dBm	FPD115-4LC-XX-ET
Optical Power for RX	MAX: < 0dBm MIN: > -23dBm (Sensitivity)	
Operating voltage	DC 5V	
Supply current	Max. 400mA	TX Module
	Max. 280mA	RX Module
Optical property	4 channels 1310nm @ -4dBm ± 2dB	FP Laser
Operating Temperature	-10to 50	
Storage Temperature	-20to 75	
Dimension	TX unit: 90x40x19.6 RX unit: 90x40x19.6	LxWxH (mm)
Weight	TX unit:90g; RX unit: 65g	

Resolution and Distance Reference

Resolution Mode	Resolution	Maximum Distance	Note
WUXGA	1920x1200(16:10)	10035ft(3000M)/16725ft(5000M)	
UXGA	1600x1200(4:3)	10035ft(3000M)/16725ft(5000M)	~1.65Gbps
TV1080p	1920x1080p(16:9)	10035ft(3000M)/16725ft(5000M)	
SXGA	1280x1024(5:4)	13380ft(4000M)/20070ft(6000M)	~1.25Gbps
XGA	1024x768(4:3)	16725ft(5000M)/23415ft(7000M)	
TV 1080i	1920x1080i(16:9)	16725ft(5000M)/23415ft(7000M)	~800Mbps
TV 720p	1280x720p(16:9)	16725ft(5000M)/23415ft(7000M)	
SVGA	800x600(4:3)	16725ft(5000M)/23415ft(7000M)	

Pseudo EDID support

There is virtual EDID data structure in TX module. This provides pseudo monitor information to the host. Then host can work at different modes by reading this data. It supports all standard modes such as VGA, SVGA, XGA,SXGA and UXGA…etc.

Address: 30162 Tomas, # 201, Rancho Santa Margarita, CA 92688
Phone: (949) 709-4040
Email: info@teqavit.com