LevelOne DVE-0500
DVI Extender via 4 fiber channel LC Duplex Connector
Self-EDID Programming
Extends DVI connection up to 500 meters

Description

DVI (Digital Visual Interface) recently becomes an popular interface between monitor and PC. Electrical signal limits the transmission length and quality. LevelOne DVI extender helps DVI to transmit far away via optical fiber. The self-EDID programming feature is also built-in to make the field installation more easy and flexible.
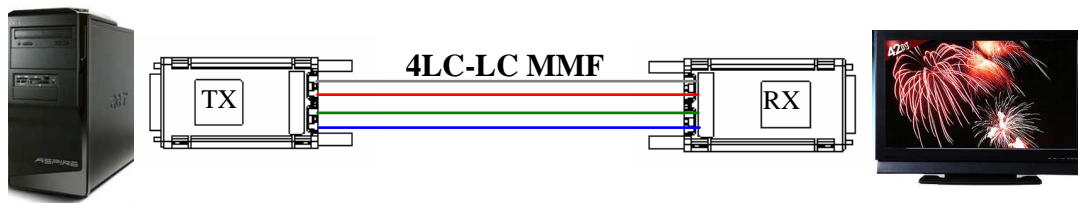
Features

- Long distance image transmission
- High resolution and quality
- No RF interference by optical fiber
- Class 1 laser product complies with EN 60825-1
- CE/FCC certifications for EMI/RFI

Application

- Remote monitor for traffic, industrial and military control
- LCD, projector and plasma display connection
- Large video wall system
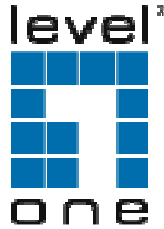- Multi-monitors for advertising

Application

Requirements

- DVI PC or DVI signal source (Transmitter)
- DVI monitor or projector (Receiver)
- 100~240 VAC, 50~60 Hz, 0.2A

Self-EDID Programming Function

The EDID in a display can be read and restored by just plugging it to the display. This self-EDID programming feature makes the installation of DVE-0500 more easy and flexile at any variable resolution display systems. If the display resolution can not meet default EDID stored in transmitter module, user can just follow page7 to perform this function.

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Specification: H/W:v2

PARAMETER	SPECIFICATION	NOTE
Maximum resolution	1920×1200 (16:10) 1600×1200 (4:3) $1920 \times 1080p$ (16:9)	
Maximum transmission distance	500m	50/125 μ m multimode fiber
EDID support	Self-EDID programming	
HDCP compliant	N/A	
Operating voltage	DC 5V	
Supply current	180mA	TX module
	180mA	RX module
Optical connector	4LC connector	
Recommended fiber	50/125 μ m multimode fiber	Use 62.5/125 μ m multimode fiber may reduce the maximum transmission distance.
Operating temperature	0 ℃ - 70 ℃	
Storage temperatute	-20 ℃ - 85 ℃	
Dimension	TX unit : 68.7 x 39.3 x 15.0 RX unit : 68.7 x 39.3 x 15.0	L × W × H (mm)
Weight	TX unit : 96 g ; RX unit : 96 g	

Default EDID resolution setting

TIMING ITEMS	RESOLUTION
Established Timings :	720 x 400 @70Hz ; 640 x 480 @60Hz ; 640 x 480 @72Hz 640 x 480 @75Hz ; 800 x 600 @60Hz ; 800 x 600 @72Hz 800 x 600 @75Hz ; 1024 x 768 @60Hz ; 1024 x 768 @70Hz 1024 x 768 @75Hz ; 1280 x 1024 @75Hz ; 1152 x 870 @60HZ
Standard Timings : (4:3,5:4,16:9,16:10 rate)	1280 x 1024 @60Hz ; 1280 x 960 @60Hz ; 1152 x 864 @75Hz 1600 x 1200 @60Hz ; 1280 x 720 @60Hz ; 1440 x 900 @60Hz 1680 x 1050@60Hz
Detailed Timings :	1360 x 768@60Hz ; 1920 x 1080@60Hz ; 1920 x 1200@60Hz