



DVE-0500

DVI Extender via Fiber Channel

User Manual

Introduction

LevelOne DVE-0500 DVI extender helps DVI to transmit far away via optical fiber, it supports up to 500 meters with 1024x768 resolutions. **DVI** (Digital Visual Interface) recently becomes a popular interface between monitor and PC; you can enjoy the benefits of long distances and crystal clear signal without any quality losses.

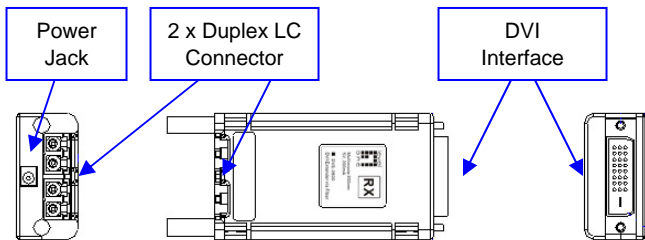
Feature

- Long distance image transmission
- High resolution and image quality
- No RF Interference by optical fiber
- Remote monitor for traffic and industrial
- Large video wall system
- Multi-monitor for Advertising

Package Content

- DVE-0500 (RX+TX)
- Power Adapter x 2
- DVI Extension Cable
- User Manual

Hardware Description



Dimension

40 x 70 x 19mm (W x D x H)

Installation

Step 1: Connect each duplex LC fiber cable one by one as indicated number. The channel “1” of TX corresponds to channel 1 of RX. The other channels are the same connection.

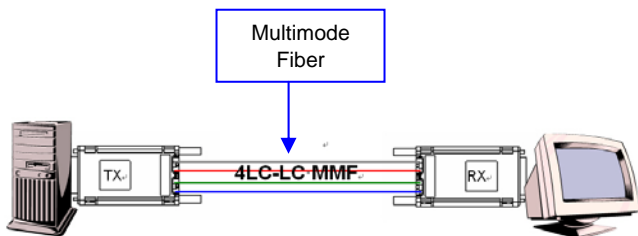
Step 2: Connect the AC/DC adapter to the RX module. Neglect AC/DC adapter to the TX module. The PC may supply voltage source via DVI receptacle.

Step 3: Plug directly the TX module in the DVI receptacle of PC. Do **NOT** use any intermediate cable or adapter between them.

Step 4: Plug the RX directly module in the DVI receptacle of display. Do **NOT** use any intermediate cable or adapter between them.

Step 5: Power on the PC and display.

Connection Diagram



Resolution

Resolution Mode	Maximum Distance
UXGA (1600×1200)	300m (62.5/125) / 500m (50/125)
SXGA (1280×1024)	400m (62.5/125) / 600m (50/125)
XGA (1024×768)	500m (62.5/125) / 700m (50/125)
SVGA (800×600)	500m (62.5/125) / 700m (50/125)
VGA(640×480)	500m (62.5/125) / 700m (50/125)

Technical Specification

Model	DVE-0500
Max Length	500M @ XGA, 62.5/125 MMF 4-LC 700M @ XGA, 50/125 MMF 4-LC
Max Resolution	1920 x 1200
Max Bandwidth	1.65 Gbps per channel
EDID Support	Pseudo DDC
Supply Current	180mA±30, TX module 280mA±30, RX module
Optical Property	4 channels 850nm @ -6dBm
Power	DC 5V, 1.0A
Operating Temp.	-0°C to 50°C
Storage Temp.	-20°C to 75°C
Dimension	40 x 70 x 19mm (W x D x H)
EMI	CE, FCC

