

## DVI Extender via 4 Fiber Channel, LC 500m

### Product Overview

The DVE-0500 DVI Extender assists with the transmission of DVI signals via optical fiber up to 500m. It connects via an LC Duplex Connector to a 4 channel fiber optic cable to transmit the DVI signal. By using fiber cabling instead of copper or Ethernet to extend a DVI signal, users can now realize signal transmitting at longer distances at lower cost. Users can now enjoy the benefit of extended transmitting distances without any loss of image quality.

### Multiple Display Modes Supported

The DVE-0500 supports VGA, SVGA, XGA, SXGA and UXGA standard display modes. It provides XGA of 1024x768 pixel resolution at 500m but can also display higher UXGA resolution of 1600x1200 pixels at 300m.

### DVI Application

DVI (Digital Visual Interface) has become a popular interface between a display monitor and broadcasting station, such as a DVD player or PC. DVI provides high resolution image quality over long distances can be used for remote LCD, projector and plasma screen displays found at sporting venues, airports, outdoor advertising and other broadcasting stations.



**DVE-0500**

### Key Features

- Provides long distance digital image transmission via fiber optic cable
- Provides high-resolution image quality
- Signal is protected from any electrical interference
- Fiber optic provides for a low attenuation and greater distance solution

## Product Specification

## Operating Specification

Optical Interface	4 channels 850nm@-6dBm
Maximum Length	500m @XGA (62.5/125 MMF 4-LC) 700m @XGA (50/125 MMF 4-LC)
Maximum Resolution	1920x1200 pixels
Maximum DVI Bandwidth	1.65Gbps per channel
EDDID Support	Pseudo DDC
Operating Voltage	DC 5V
Supply Current	180mA (TX Mode) 280mA (RX Mode)

## Resolution and Distance

Resolution Mode	Maximum Distance
VGA (640 x480)	500m (62.5/125) / 700m (50/125)
720 x 400	500m (62.5/125) / 700m (50/125)
SVGA ( 800X600)	500m (62.5/125) / 700m (50/125)
XGA (1024x786)	500m (62.5/125) / 700m (50/125)
1152 x 864	400m (62.5/125) / 700m (50/125)
1280 x720	400m (62.5/125) / 700m (50/125)
1280x960	400m (62.5/125) / 700m (50/125)
SXGA (1280x1024)	400m (62.5/125) / 600m (50/125)
1360 x 768	400m (62.5/125) / 700m (50/125)
UXGA (1600 x1200)	300m (62.5/125) / 500m (50/125)
1920 x 1080	300m (62.5/125) / 700m (50/125)
1920 x1200	300m (62.5/125) / 500m (50/125)

## Adaptor Specification

Input	AC 100~240V
Output	DC 5V
DC Jack	Inside 5V / Outside ground

## Physical Specification

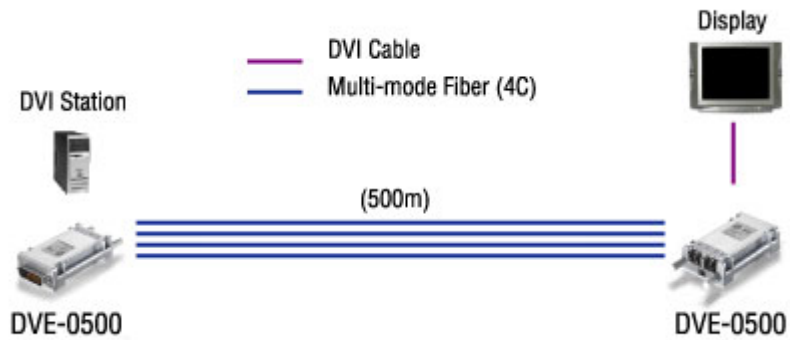
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 75°C
Dimensions	90mm x 40mm x 193.6mm (L x W x H)
Weight	65g

## Requirements

- DVI PC or DVI signal source (Transmitter)
- DVI Monitor or Projector (Receiver)

## Product Diagram

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## Ordering Information

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**DVE-0500:** DVI Extender via 4 Fiber Channel, LC 500m

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