Mini DVI Fiber Optic Extender
1-Channel DVI-D Fiber Extender over 2xLC SM or MM Fiber

1 DVI-D

Audio

Data

Ethernet

System Design

Mini DVI Fiber Optic Extenders

VOS-DVI-2LCT/R is a mini DVI-D signal extender that can transmit 1-channel of WUXGA 1920x1200 digital uncompressed DVI-D video signals with 60Hz refresh rate. The modules can extend DVI-D signal up to 1500 meters over 2xLC single-mode fiber or 500 meters over 2xLC multi-mode fiber optic cable, which surpasses the limits of copper cabling extension, without any adjustments, equalization or de-skewing during installation.

VOSCOM MiniDVI Fiber Optic Extender support Auto-EDID programming, the EDID information contained in any given display unit can be read and restored by just plugging the untis into the display. This Auto-EDID programming feature makes the installation of VOS-DVI-2LCT/R quick and easy especially since it requires no software or manual dip-switch settings.
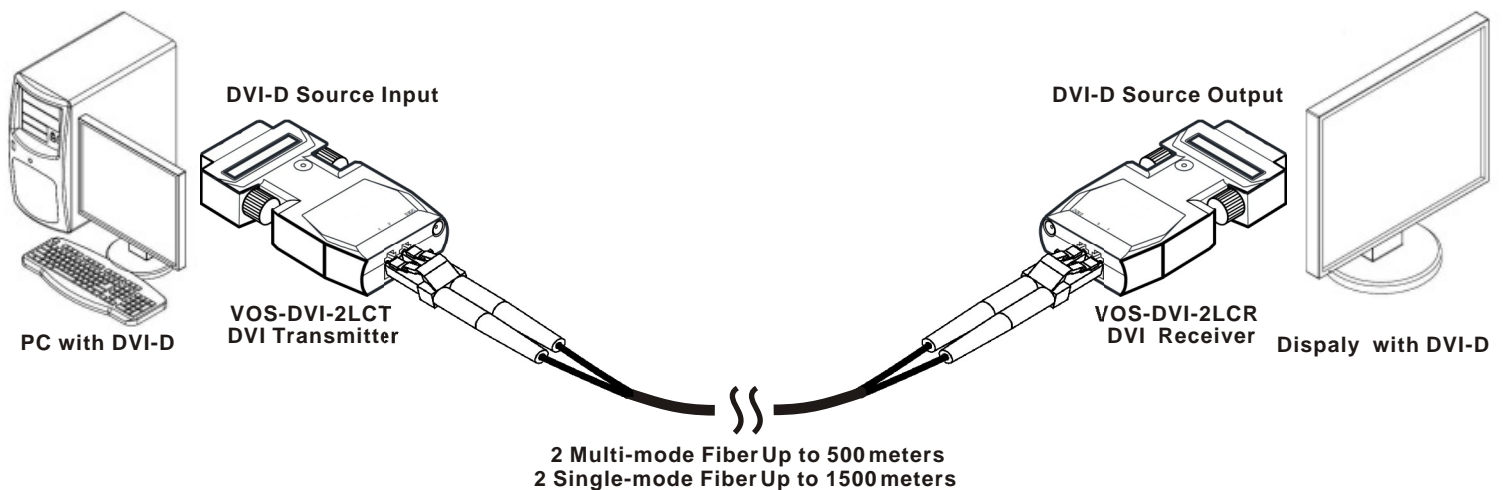
Features

- Extends uncompressed DVI-D video signals up to 1920 x 1200@60Hz
- Provides lossless and uncompressed image quality without frame dropping
- 2xLC Single-mode fiber support for distances up to 1500m
- 2xLC Multi-mode fiber support for distances up to 500m
- Supports Auto-EDID programming
- Two (2) Universal power adapters included
- Requires no adjustments, equalization or de-skewing during installation
- No EMI or RFI and no ground loops

Typical Configuration

DVI-D Source Input

DVI-D Source Output

PC with DVI-D

VOS-DVI-2LCT DVI Transmitter

VOS-DVI-2LCR DVI Receiver

Dispaly with DVI-D

2 Multi-mode Fiber Up to 500 meters
2 Single-mode Fiber Up to 1500 meters

DVI Fiber Optic Extenders

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-DVI-2LCT	VOS-DVI-2LCR	Multi-Mode	1310nm	6dB	500m
		Single-Mode	1550nm	6dB	1500m

Specification

• Video

Number of Channels:	1-Channel DVI 1.0
Bit Rates:	Up to 1.65Gb/s
Maximum resolution:	WUXGA 1920x1200@60 Hz

• Electrical & Mechanical

Input Power Requirements:	DC 5V@2A
Power Adapter:	AC 100V~240V
Power Consumption:	< 2W
Dimensions:	69mm × 39mm × 15mm
Weight:	30g

• Connectors

DVI Connector:	DVI-D Male
Optical Connector:	2 x LC
Stand-Alone Power:	Screw terminal block

• Environmental

Operating Temperature:	0° C ~ +70° C
Storage Temperature:	-20° C ~ +85° C
Relative Humidity:	0%~95% (non-condensing)

Panel Drawings

Due to continuous improvement, all products specifications are subject to change without further notice.
Contact us for custom requirements. E-mail: Sales@voscom.com   Website: www.voscom.com