

### DVI Fiber Optic Extender 1-Channel DVI Extender over Fiber

1 →  
DVI

#### System Design

DVI Fiber Optic Extenders  
VOS-1DVI-LT/R provides for the digital transmission of 1-Channel uncompressed DVI video resolutions up to WUXGA 1920x1200 and HDTV Video resolutions up to 1080p, support one DVI loopback output for local display. Ideal for specialized Media Display, Security Systems, Airport / Airplane / Metro / Railway applications.

Audio

Stand-alone or rack-mount. All DVI Transmission over Fiber of VOS-1DVI-LT/R come in an insert card version. The cards can be inserted into our 16-slot, 19inch 4U rack-mountable card cage (VOS-CH04-HD16).



Data

Single-Mode or Multi-Mode, VOS-1DVI-LT/R only can support LC optical connector, support Single-mode 15km or Multi-mode 300m over one single-fiber.

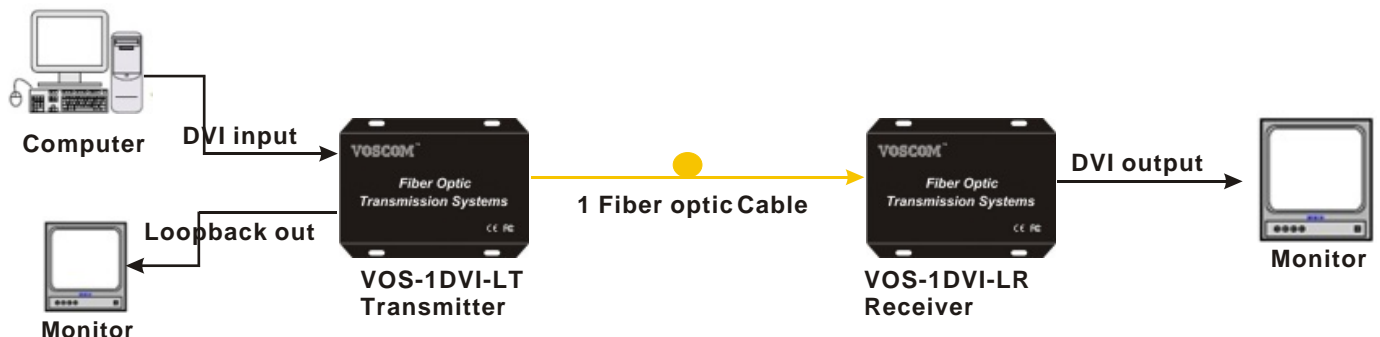


Ethernet

#### Features

- Uncompressed DVI and stereo audio over one fiber
- Supports DVI resolutions up to WUXGA 1920x1200
- Supports HDTV video resolutions up to 1080p
- Multi-mode Fiber Support for Distances up to 300m
- Single-Mode Fiber Support for Distances up to 15 km
- LED Status Provide Rapid Indication of Operating Parameters
- Requires no adjustments, equalization or de-skewing during installation
- No EMI or RFI and no ground loops
- Stand alone or rack-mount

#### Typical Configuration



# DVI Fiber Optic Extenders

## Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-1DVI-LT	VOS-1DVI-LR	Multi-Mode	1310nm/1550nm	16dB	300m
		Single-Mode	1310nm/1550nm	12dB	15km

### Note:

- The Optical Power Budget data fit Multit-mode(62.5/125  $\mu$ m),Single-Mode(9/125  $\mu$ m).
- When using 50/125  $\mu$ m multimode fiber, subtract 3 dB from the optical power budget.
- Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels.
- Maximum transmission distance is also limited by fiber bandwidth.
- Power adapter is manufactured by third party and is supplied with fitted screw-terminal output cables. Power adapter included (for standalone) US, European, UK or Australian power plug.
- Please feel free to consult factory for any special requirement and customization

## Specification

### • Video

Number of Channels: 1-Channel DVI 1.0  
 Data Rates: 4.25Gbps  
 Maximum resolution: 1920x1200 or 1080P  
 Color Depth: 24-Bit

### • Connectors

DVI Connector: DVI-D Female  
 Optical Connector: LC Connector only  
 Stand-Alone Power: Screw terminal block  
 Rack Power: AC line cord

### • Electrical & Mechanical

Input Power Requirements: DC 5V@2A  
 Power Adapter: AC 100V~240V  
 Power Consumption: < 3W  
 Stand-Alone Dimensions: 200mm × 135mm × 33mm  
 Card for 4U Rack Dimensions: 145mm × 170mm × 20mm  
 Shipping Weight: 2.5kg (include TX & RX)

### • Environmental

Operating Temperature: -45° C ~ +75° C  
 Storage Temperature: -45° C ~ +85° C  
 Relative Humidity: 0%~95% (non-condensing)  
 MTBF: >100,000 hours