

# **EVERTZ DVI-EXTND-SC**

## **Single Fiber DVI Extension Package**

The DVI-EXTND-SC is a cost effective DVI fiber extension package, providing a simple single fiber transport of DVI. The package consists of a transmitter module and a receiver module, each with one SC type connector for the fiber input and a DVI-D single link plug for the video interface. Fiber extensions of up to 1000m (3280 ft) over single mode fiber or 500m (1640ft) over multi-mode fiber which allows users the flexibility to custom fit the cable length to their specific application. Signal can be extended over 50/125 $\mu$ m or 62.5/125 $\mu$ m single-mode or multi-mode fiber cable. The link supports up to WUXGA (1920x1200) at 60Hz resolutions and includes support for all resolutions supported by the VIP, VIP Advanced, and VIP-X products. The transmitter module can be powered by either the VIP module via +5V pin on the DVI connector or by a AC/DC power adapter (recommended) on the TX fiber module. The receiver module is powered from a AC/DC power adapter.

DVI-EXTND-SC package includes:

- One transmitter module
- One receiver module
- Two Power adapters.



### **Features**

- Extend digital video signals up to 1000m(3280 ft) using single mode fiber or 500m (1640ft) over multi-mode fiber
- Secure data without RFI/EMI emission or loss of video Quality
- DVI-D Single Link support
- Support resolutions up to 1920 x1200 @ 50Hz and 60Hz
- Detachable modules for easy assembly no need to string connectors through conduit, walls or ceilings
- Self-EDID Programming

## Specifications

### Input and Output

- DVI Standard Compliant: Supports DVI1.0, fully implemented by fiber-optic and DDC2B by virtual DDC.
- Graphic transmission bandwidth 1.65Gbps per graphic channel.
- DVI-D Single Link

### Optical

- Optical Link Power Budget           Min. 10.5dB
- Connector Type                        SC type (both mating ends)
- Fiber cable Type                      50/125 $\mu$ m Multi-Mode or Single Mode Fiber  
62.5/125 $\mu$ m Multi-Mode or Single Mode Fiber
- Peak Optical Power per channel-2.0dBm
- Optical Modulation Amplitude (per channel)300 $\mu$ W
- Wavelength range850nm nominal
- Optical Rise/Fall Time200ps
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### General

- Mechanical Specification :       (39mm x 14.6mm x 68mm) W/H/D
- Voltage Supply :                    +5V,2A
- Operating Temperature :       0°C to +50°C
- Humidity:                            5% to 85%

## Ordering Information

DVI fiber extension package consists of a transmitter module, receiver module and 2 power supply adapters.

**DVI-EXTND-SC                   (includes USA power supply)**  
**DVI-EXTND-SC-EU               (includes Europe power supply)**  
**DVI-EXTND-SC-UK               (includes UK power supply)**