

DVI-4000 Series

**DVI-D Single Link, Stereo
Audio & Bi-directional Data
Fiber Optic Transport**

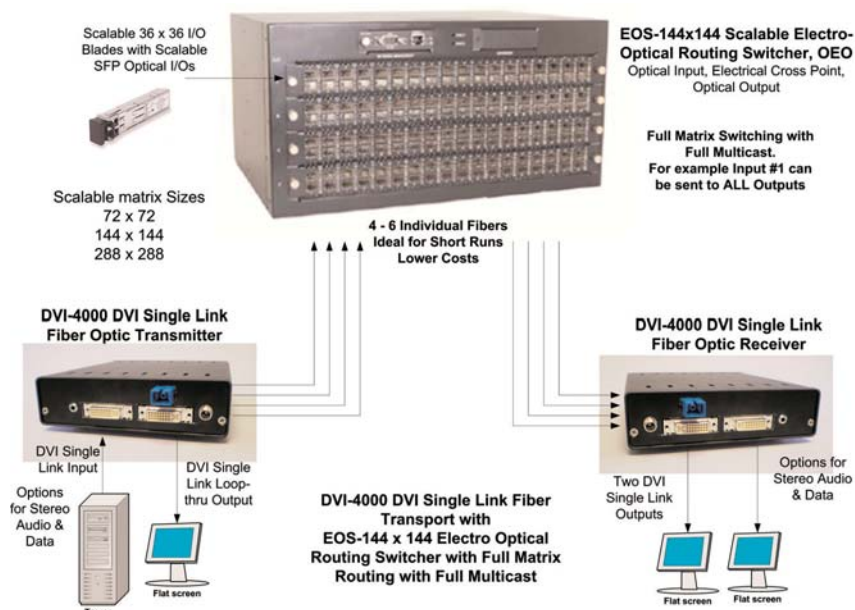


DVI-5000 DVI Fiber Link over ONE Fiber Pictured above

SUMMARY

- Transport DVI-D Single Link over 4 fibers.
- **WUXGA, 1920 x 1200** maximum resolution.
- Loop-through DVI-D Input with Dual DVI-D outputs.
- Optional Stereo Audio and Simplex Data adds 1 Fiber
- Optional Bi-directional return Data path, adds 1 Fiber.
- Throughput Bandwidth, **4.95 Gbps.**
- **Fully Uncompressed.** No Color Space Compression. No Frame Dropping. No Color Depth Bit Reduction. No Scaling.
- 100% 24 Bit, All Scan Rates, No Contouring at High Scan Rates
- **No Reduced Blanking.** Supports CRT and LCD monitors
- **Uses Standard Fiber Optic Cable.** No Custom or Non-standard Cabling and Connectors required.
- Support of the EDID Monitor Resolution information from loop-through or internal emulation.
- **Input Cable Equalizer** supports a DVI input cable of up to 50 meters with 24 gauge cable.
- **Output Re-clocker** eliminates noise and distortion in the DVI output.
- Ideal for applications with multiple monitor resolutions and a routing switcher.
- No EMI characteristics for medical instruments and airborne applications.
- Keep your Video and Audio communications secure in Command and Control Facilities
- Enables remoting of a monitor from the video source.
- Supports all possible horizontal and vertical synch configurations.

APPLICATION DIAGRAM



86290909

Vertrieb / Distributor:

VIDELCO – Professionelle Audio-, Video-, Medien-Technik!

Telefon: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

SPECIFICATIONS

VIDEO SIGNAL

Input, -FTX	1 DVI-D or HDMI(with adapter) Loop-through input
Output, -FRX	2 DVI-D or HDMI(with adapter) outputs
Standards Supported	DVI-D Single Link 640 x 480 @ 60Hz through 1920 x 1200 @ 60Hz; HDTV signals at 480i, 480p, 720p, 1080i, and 1080p.
Video Color Depth	24 bits with No Compression and No Scaling at all resolutions
Pixel Clock	25 to 165 MHz
Resolution	640 x 480 @ 60 Hz through 1920 x 1200 @ 60 Hz

AUDIO

Input, -FTX	2 channels, Stereo, unbalanced, 3.5MM mini-jack
Output, -FRX	2 channels, Stereo, unbalanced, 3.5MM mini-jack
Audio Maximum Level	+10 dBu
S/N	90 dB
THD	0.005%

DATA

Input and Output	1 channel, Selectable RS232, RS422, RS495
Baud Rate	9600 Baud

OPTICAL

Number of Optical Fibers	4 to 6; 4 DVI-D, 1 Stereo Audio, 1 Bi-directional Data
Fiber Type	Standard Multimode 50/125 or 62.5/125 µm or Singlemode 8.3/125 µm. No Custom or Non-standard Cabling required.
Connector	LC; Industry Standard, Non-Proprietary Connector
Wavelength	
Multimode, DVI-4000-FTX-2	850 nm
Singlemode, DVI-4000-FTX-50, -52, -53	1310 nm
Operating Distance, (-50) SM	up to 2 KM over 8.3/125 µm
Operating Distance, (-52) SM	up to 15 KM over 8.3/125 µm
Operating Distance, (-53) SM	up to 40 KM over 8.3/125 µm
Operating Distance, (-2) MM	up to 600 meters over 62.5/125 µm
Emitter Type	Laser

OTHER

Dimensions	(L x W x H) 7" L x 5 3/4 W x 1 3/4 H
Triple Rack-mount Kit, 3 modules (Part number -RMT)	7" L x 19" W x 1 3/4 H
Power consumption	15 Watts

ORDERING INFORMATION

DVI-4000 Series DVI Single Link, 1920 x 1200, Fiber Optic Transport System, 6 Fiber, Multimode (SIN 58-6)

DVI-4000-FTX-2-LC	DVI Single Link, WUXGA, 1920 X 1200, Six Fiber, Multimode, Transport System with Stereo Audio and Data, 6 LC Connectors, 600 meter distance
DVI-4000-FRX-2-LC	DVI Single Link, WUXGA, 1920 X 1200, Six Fiber, Multimode, Transport System with Stereo Audio and Data, 6 LC Connectors, 600 meter distance

DVI-4000 Series DVI Single Link, 1920 x 1200, Fiber Optic Transport System, 6 Fiber, Singlemode (SIN 58-6)

DVI-4000-FTX-50-LC	DVI Single Link, WUXGA, 1920 X 1200, Six Fiber, Singelmode, Transport System with Stereo Audio and Data, 6 LC Connectors, 2KM distance
DVI-4000-FRX-50-LC	DVI Single Link, WUXGA, 1920 X 1200, Six Fiber, Singelmode, Transport System with Stereo Audio and Data, 6 LC Connectors, 2KM distance

Options and Accessories for DVI-4000 Series

-RMT	Triple Rack-mount Kit (1 kit)
-BLANK	Blank panel for rack-mounting kit
TRI-PS-5VDC	Triple Power Supply, 5VDC, 6 Amps used to power up to three DVI-4000