

## DVI-6000 PRELIMINARY

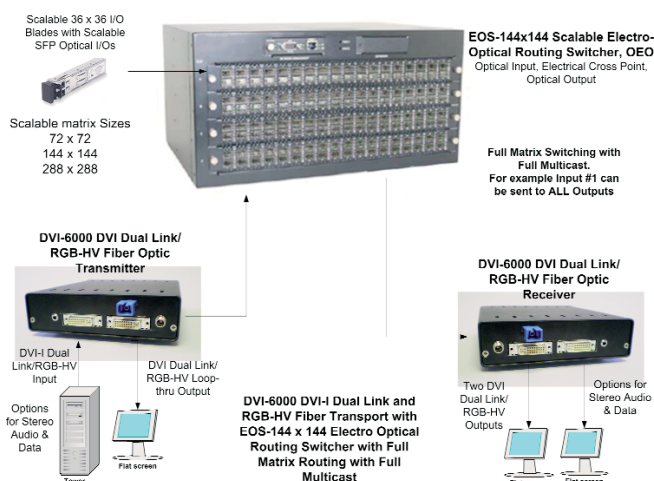
### DVI Single & Dual Link, RGB-HV & Stereo Audio Fiber Optic Transport over ONE fiber



#### SUMMARY

- Transport DVI-I, RGB-HV and DVI-D Single and Dual Link over ONE fiber.
- **WQXGA, 2560 x 1600** maximum resolution.
- Loop-through DVI-I Input with Dual DVI-I outputs.
- Optional Stereo Audio
- Throughput Bandwidth, **4.25 Gbps.**
- Optical transport support for SMPTE 292M 1.485 HD-SDI and SMPTE 424M 3G HD-SDI. (Future firmware update).
- EOS-4000 Electro-Optical Switcher support at 4.25Gbps. HD & 3G HD Switcher support at 1.485 and 2.97 Gbps.
- **Fully Uncompressed** for resolutions up to 1920 x 1200.
- **Adaptive bandwidth reduction** for resolutions above 1920 x 1200. Blend of Color Space Compression and Frame Dropping.
- Adaptive algorithm detects high and low motion content and adapts accordingly.
- **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.
- Provides electrical isolation, immune to electrical noise in the transmission path.
- Systems available with Keyboard, Mouse and Audio support.
- Application include commodity and stock exchanges, medical and MRI displays, advertising and signs, sporting and concert video displays, video walls, digital cinema, radar displays, air traffic control, military information displays plus many more...
- The DVI-2000 is ideally suited to sending high quality, high resolution (up to 1600 X 1200) digital video over fiber. This unique fiber optical cable system let your digital LCD monitor extend up to 150 meter or 492 feet away from host without any external power supply based on DVI standard. Applications include plasma displays, video walls for advertising, MRI and medical display and radar displays.

#### APPLICATION DIAGRAM



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**PRELIMINARY**

## SPECIFICATIONS

### VIDEO SIGNAL

Input, -FTX	1 DVI-I; DVI-D, RGB-HV or HDMI (with adapter) Loop-through input
Output, -FRX	2 DVI-I; DVI-D, RGB-HV or HDMI (with adapter) outputs 60Hz;
Standards Supported	DVI-I Single Link 640 x 480 @ 60Hz through <b>2560 x 1600</b> @ HDTV signals at 480i, 480p, 720p, 1080i, and 1080p
Pixel Clock	25 to 165 MHz

### AUDIO

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

### OPTICAL

Number of Optical Fibers	1
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-6000-FTX-2	850 nm
Singlemode, DVI-6000-FTX-50, -52, -53	1310 nm
Operating Distance, (-50) SM	up to 4 KM over 9/125 µm
Operating Distance, (-52) SM	up to 10 KM over 9/125 µm
Operating Distance, (-2) MM	up to 150m on 50/125 µm, 70m on 62.5/125 µm MMF

### OTHER

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

## ORDERING INFORMATION

### DVI-6000 Series DVI Single Link, 2560 x 1600, Fiber Optic Transport System, 6 Fiber, Multimode (SIN 58-6)

DVI-6000-FTX-2-LC	DVI Dual Link & RGB-HV, WQXGA, 2560 x 1600, ONE Fiber, Multimode, Transmitter with Stereo Audio and Data, 1 LC Connectors, up to 500 meter distance
DVI-6000-FRX-2-LC	DVI Dual Link & RGB-HV, WQXGA, 2560 x 1600, ONE Fiber, Multimode, Receiver with Stereo Audio and Data, 1 LC Connectors, up to 500 meter distance

### DVI-6000 Series DVI Single Link, 2560 x 1600, Fiber Optic Transport System, 6 Fiber, Singlemode (SIN 58-6)

DVI-6000-FTX-50-LC	DVI Dual Link & RGB-HV, WQXGA, 2560 x 1600, ONE Fiber, Singelmode, Transmitter with Stereo Audio and Data, 1 LC Connectors, up to 4KM distance
DVI-6000-FRX-50-LC	DVI Dual Link & RGB-HV, WQXGA, 2560 x 1600, ONE Fiber, Singelmode, Receiver with Stereo Audio and Data, 1 LC Connectors, up to 4KM distance

### Options and Accessories for DVI-6000 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-6000

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