EMS XtremeDVI-DualLink

XtremeDVI-DualLink

- ❖ Single Channel PCI express 4 lane PCIe bus with maximum data rate of 650MB/sec, allowing high resolution sources to be displayed at full frame rate.

- ❖ Support for 330MHz pixel clock and a maximum canvas of 4kx4k.

- ❖ High performance DMA to system memory or direct to graphics memory with scatter gather high quality scaling (7x3 Polyphase filter).

- ❖ Input equalisation supporting longer input cables.

- ❖ Captures Quad-HD Digital Cinema modes at 24/25/30fps.

- ❖ HD video capture for all progressive and interlaced DVI/HDMI modes.

- ❖ Includes WDM streaming drivers and the EMS XtremeRGB application software.

- ❖ Fully integrated with the EMS wall controller software VigiControl for video wall applications.

- ❖ XtremeRGB is also optimised for operation with the EMS XtremeVision Video Wall Controller.

- ❖ Support for multiple cards

- ❖ Support for Windows®XP, Windows® Vista, Windows® Server 2003, Windows® Server 2008 and Windows® 7

- ❖ EMS SDK included for software developers.

The XtremeDVI-DualLink is a single channel PCI express Dual (or Single)-Link DVI video capture card.
A stand alone PCIe x4 plug in card, the XtremeDVI-DualLink delivers extreme performance with 650MB/s transfer bandwidth.

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A maximum input canvas of 4kx4k allows any DVI source to be captured, displayed, recorded or stream'ed .

The XtremeDVI-DualLink has integrated DVI equalizers on its inputs this enables support of longer input cable lengths (up to 20m).
The XtremeDVI-DualLink is suitable for a wide range of applications including:
Viewing DVI sources from PCs, MACs, Industrial/medical equipment, cameras and other video equipment
Recording DVI video sources uncompressed or compressed to AVI files.
Streaming video applications over LAN/WAN.
Capture & Display multiple PC's/Notebooks on to our Video/Data Walls using Xtreme4VS range of Graphics Controllers.
High resolution, high bandwidth applications
Advanced Medical and Machine Vision capture
Radar, Security/Surveillance and Military applications
IP Render decode capture

Specifications:

Board Format:	PCI-e x4 card, 110mm x 170mm PCI-e bus master with scatter gather DMA providing a maximum data rate of 650MB/s
Connectors:	One Dual Link DVI-D connector
Maximum Sample Rate:	330 MHz DVI-D connector
Video Sampling:	24 bits per pixel / 8:8:8 format
Video Capture Memory:	128 MB, triple buffered
DVI Dual Link:	Single link and dual link modes auto detected
Input mode detection:	Automatic detection of inout modes in hardware, enabling the tracking of mode changes in the source signal
Pixel transfer formats:	RGB: 5-5-5, 5-6-5 or 8-8-8 (24bit/32bit) pixels YUV: 4:2:2 MONO: 8bit
Update rate:	User defined, captured frame rate will match the source. Providing max data rate (650MB/s) is not exceeded Multi-buffered to eliminate tearing artifacts
Video format options:	DVI Dual-Link DVI Single-Link
Operating system support:	Windows®XP, Windows® Vista, Windows® Server 2003, Windows® Server 2008 and Windows® 7
Power Requirements	Max current at +3.3V - 0.2A Max current at +12V - 0.9A Max power -12W
Operating Temperature:	0 to 35 deg C/ 32 to 96 deg F
Storage Temperature:	-20 to 70 deg C/ -4 to 158 deg F
Relative humidity:	5% to 90% non-condensing
Warranty	3 years

For details on how to purchase the XtremeRGB products contact our sales department
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