Vision processors

Matrox **Odyssey XG**

High-fidelity video and graphics display.

Key features

- PCI-X® card
- 256-bit GPU
- 128 MB DDR SDRAM
- pair of dedicated board-to-board interconnects
- digital and analog (including TV) output capabilities
- 10-bit 400MHz RAMDACS
- support for multi-display configurations (two VGA or single VGA plus TV)
- display drivers for 32/64-bit Microsoft® Windows® XP/Vista®

Leading edge display for PCI-X®

The Matrox Odyssey XG is a PCI-X® graphics board designed to deliver leading edge display functionality and quality to a Matrox Odyssey Xpro+ video capture and processing system. A Matrox-designed 256-bit GPU gives the Matrox Odyssey XG the ability to deliver ultra-sharp high-resolution graphics and video, and drive up to two analog or digital monitors or a single monitor and a standard definition TV output.

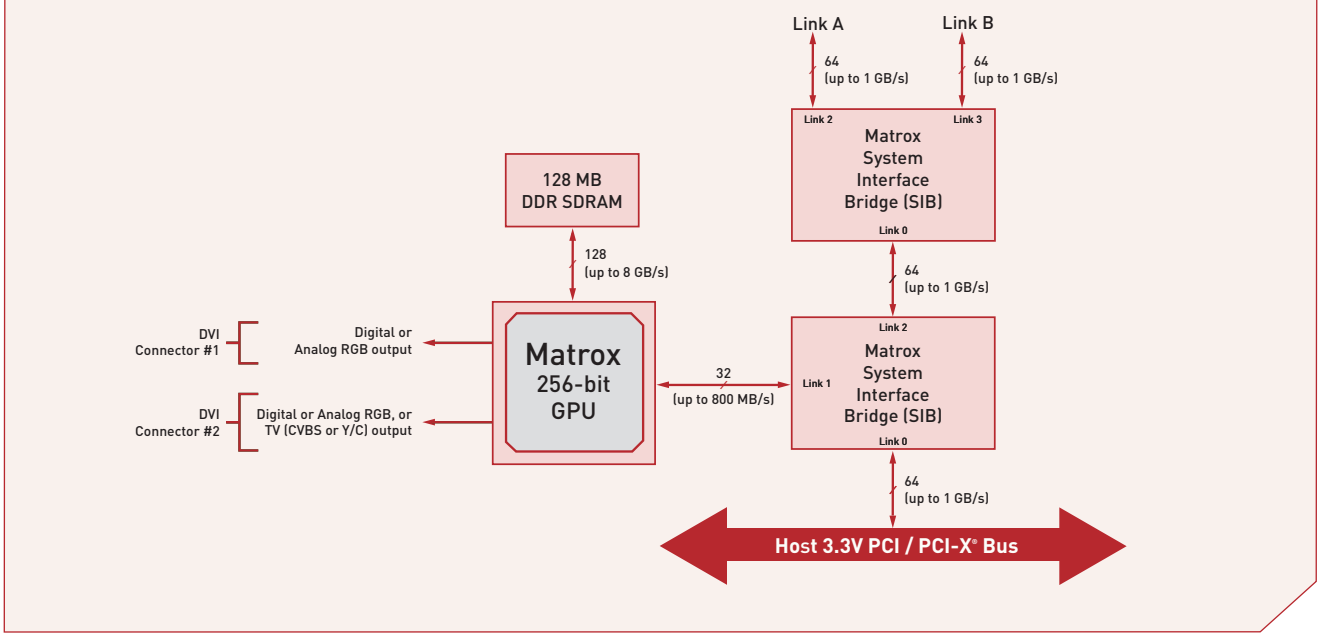
The Matrox Odyssey XG is equipped with a pair of link ports making it an ideal companion to the Matrox Odyssey Xpro+. The dedicated point-to-point PCI-X® connections provided by the link ports enable image transfers from a Matrox Odyssey Xpro+ cluster to a Matrox Odyssey XG without consuming the host PC's precious PCI/PCI-X® bus bandwidth.

Display configurations, formats and max. resolutions

	DVI-I connector #1		DVI-I connector #2	
	Output format	**Max. resolution**	**Output format**	**Max. resolution**
Single head	DVI	1600x1200@60Hz	N/A	N/A
	Analog RGB	2048x1536@85Hz	N/A	N/A
Dual head	Analog RGB	1920x1440@60Hz	Analog RGB	1600x1200@60Hz
	Analog RGB	1920x1440@60Hz	TV[1]	NTSC/PAL
	Analog RGB	1920x1440@60Hz	DVI	1600x1200@60Hz
	DVI	1600x1200@60Hz	DVI	1600x1200@60Hz
	DVI	1600x1200@60Hz	Analog RGB	1600x1200@60Hz
	DVI	1600x1200@60Hz	TV[1]	NTSC/PAL

1. Requires DVI-TO-DVIBNCSV adaptor cable.
2. Through 8-bit RAMCDACs.

Matrox Odyssey XG



Specifications

Hardware

- PCI/PCI-X® card with 3.3V 64-bit card edge connector
- Matrox-designed 256-bit GPU
- 128 MB DDR SDRAM
- two 64-bit 33/66 MHz 3.3V PCI and 64-bit 66/100/133 MHz PCI-X® dedicated links
- 64-bit 33/66 MHz 3.3V PCI and 64-bit 66/100/133 MHz PCI-X® host interface

Dimensions and environmental information

- 24.8 L x 10.7 H x 1.9 W cm (9.8" x 4.2" x 0.75") from bottom edge of goldfinger to top edge of board, and without bracket and retainer
- power consumption (typical): 2.75A @ 3.3V or 9.1W, 0.8A @ 5V or 4.0W, 0.3A @ 12V or 3.6W, or 16.7W total
- operating temperature: 0° C to 55° C (32° F to 131° F)
- ventilation requirements: 100 LFM (linear feet per minute) over board
- relative humidity: up to 95% (non-condensing)
- FCC class A
- CE class A
- RoHS-compliant

Software

- display drivers for 32/64-bit Microsoft® Windows® XP/Vista®

Ordering Information

Boards

Part number	Description
OG 12M L0 DDVI 0*	PCI-X® graphics board with 128 MB DDR SDRAM and link port interconnects. Includes two DVI-I to HD-15 adaptors.

Software

Display drivers included in the Matrox Imaging Library (MIL).

Cables

Part number	Description
DVI-TO-DVIBNCSV	DVI-I to DVI-I, two BNC and two SVHS adaptor (required for TV output).

DVI and HD-15 cables available from third parties.

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