

Raptor GFXtra

High Resolution True Color 24-Bit Graphics
With Keyboard/Mouse Input



Features

- Reduces cost-per-seat by supporting multiple users on a single workstation
- 3Dlabs Permedia 2 Graphics Processor
- 24-Bit True Color Video Output
- 8-Bit Pseudo Color Video Output
- 8 MB Displayable Memory
- Simultaneous 8-Bit and 24-Bit Pixel Formats Eliminates Colormap Flash Problem
- Sun UltraSPARC Visual Instruction Set Acceleration
- OpenWindows and CDE Compatible
- One Year Warranty

Product Description

The Tech Source Raptor GFXtra is a follow-up product to the popular Raptor GFX-8P PCI card. It combines the power and capability of the Raptor GFX-8P with an additional keyboard/mouse port, allowing existing workstations to support additional monitors and/or users.

The Raptor GFXtra gives PCI workstation users a pivotal boost in graphics power. The new Raptor GFXtra provides a low cost solution for high resolution 24-bit true color graphics and imaging in a Sun Microsystems PCI environment. With this product, Tech Source addresses the burgeoning market of Sun Ultra 5/10/30/60 and E250/450 users who need to drive high resolution displays, as well as reduce cost per user.

The simultaneous 8-bit and 24-bit capability provides support for both true color and pseudo color applications on the same desktop. This eliminates the colormap flashing problem found when running programs like Netscape's browser with Insignia's SoftWindows.

Multiple User Support

Multiple Raptor GFXtra cards allow multiple users to simultaneously utilize the same workstation. By adding an additional keyboard, mouse and color monitor to an existing UNIX workstation, the Raptor GFXtra eliminates the need to purchase a workstation per user, thereby driving down the cost-per-seat.

OpenWindows/CDE Acceleration

For professionals requiring fast X Window System performance in the standard Sun environment, the Raptor GFXtra accelerates the display of 24-bit and 8-bit graphics using Solaris 2 loadable device drivers. With a full 8 MB of displayable memory, the Raptor GFXtra has enough off screen memory to provide off-screen pixmap caching at most resolutions.

Markets

- General Desktop Users
- Desktop Publishing
- Multiple Display Applications
- Multiple User Applications
- 2D CAD/CAM/CAE
- Imaging Applications
- Kiosks

Support For All PC Monitors

The Raptor GFXtra ships with 8 MB of high speed, graphics memory and an ultra fast, 250 MHz DAC (which produces the monitor signal). The board is equipped with a standard connector for PC compatible monitors. The Raptor's fast memory and DAC can drive today's high performance monitors in true color modes, at or near the monitor's maximum rated specifications. High resolution display modes make it possible for designers to view the entire picture or image on screen without having to scroll the display.



TECH SOURCE, INC.

Responsive Solutions in Graphics

442 S. North Lake Blvd • Altamonte Springs, Florida 32701
 (407) 262-7100 • Fax (407) 339-2554
 email:sales@techsource.com

Resolutions Supported

| Depth | Number of Colors | Minimum | Maximum |
|------------|------------------|------------|--------------|
| 8-bit | 256 | 640x480@60 | 1600x1280@85 |
| 24-bit | 16.7M | 640x480@60 | 1280x1024@76 |
| 8 + 24 bit | 16.7M | 640x480@60 | 1280x1024@76 |

The card also supports Display Data Channel (DDC2B) interface for plug-n-play monitor detection. Contact hotline@techsource.com for more information.

Specifications

| | |
|--------------------------|---------------------------------------------------------------------|
| Graphics Controller | 3Dlabs Permedia 2 |
| Memory Configuration | 8 MB SGRAM |
| Sync | Separate or Composite at TTL Levels |
| Horizontal Sync Signals | 31.5 kHz – 100 kHz |
| Vertical Refresh | 60 Hz – 200 Hz |
| Maximum Dot Clock | 250 MHz |
| Video Output Signal | Analog (RS-343) |
| Video Connector | Standard 15-pin D-Shell |
| Bus Architecture | 32-bit PCI Local Bus |
| Temperature Rating | 0 to 50 degrees C (operating) 40 to 70 degrees C (non-operating) |
| Humidity Rating | 10% to 95% (non-condensing) |
| Power Rating | +5V @ 1.5 Amps max. |
| Physical | 174 mm. X 106 mm (6.875" x 4.20") |
| Approvals | FCC Class B Certified, CE Mark, TUV |
| Monitor Support | Standard and multi-frequency Analog |
| Software Support | OpenWindow and CDE for Solaris 2.5.1 , 2.6 and 7 |
| Boot Support | IEEE 1275-Compliant Fcode (OBP) |
| Keyboard/Mouse Interface | 8-Pin Minidin |

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