Product Brief

Raptor 2500T-DL

2048 x 2048 Color Video Graphics Adapter

Raptor 2500T-DL Features
- 2048 x 2048 Resolution
- 8/16/24/32-Bits Per Pixel
- 64 MB Frame Buffer
- 32 Independent Overlays
- 2560 Dynamic Colors
- Single Slot PCI Card
- Transparency & Translucency
- 8+24 Bit Mode
- 8+8 Bit Mode

Markets
- Air Traffic Management
- Vessel Traffic Control
- Command & Control
- Remote Auction Art

Platforms
- Sun Desktops/Servers
- Digital Alpha Workstations
- HP B,C & J-Class Workstations
- IBM RS/6000 Machines
- Linux based PCs
- Windows 2000

The Tech Source Raptor 2500T-DL graphics accelerator combines on a single slot PCI card, a comprehensive array of high-end display subsystem features. The Raptor 2500T-DL uses Tech Source's state-of-the-art graphics technology and addresses all the specific requirements of target markets like Air Traffic Management, Vessel Traffic Control and other Command & Control applications. Its high level of integration achieves extreme flexibility over a wide range of functions. With a resolution of 2048x2048, it is designed to work with high resolution digital flat panels that replace the Sony DDM monitors.

With 64MB of on-board memory and an efficient memory manager, the card offers excellent drawing performance with minimum host CPU usage. The card provides 2560 independent dynamic colors. That's ten times the number of indexed colors available on traditional graphics systems. Specialized layering hardware allows for complete control of up to 32 independently addressable overlays with dynamic layer priority adjustment. This hardware supports both transparency & translucency (blending). The card can also be configured in a 24-bit True Color mode for Remote Auction Art and other high resolution image viewing applications. A mode that supports 8 bit & 24 bit simultaneous visuals is also available.

The Raptor 2500T-DL offers excellent 2D acceleration for polygons, text, lines, copy and other windowing operations. This provides seamless ability to manage over 5000 targets/tracks in real time. Another feature of this high performance product is the specialized fill hardware that performs back buffer screen erases at an extremely high speed. The video output quality of the Raptor 2500T-DL has been meticulously fined tuned and is easily the best amongst all graphics products in its category.

Tech Source

Raptor 2500T-DL Technical Specifications

Raptor 2500T-DL   PCI video graphics adapter, 2048 by 2048 color resolution, 64 MB frame buffer, operating system specific device driver software and manuals.

Software Environments Supported

- Sun Microsystems Solaris 7, 8 and 9
- HP Tru64 UNIX V4.0f and higher
- HP-UX V10.20, 11.0 & 11i
- IBM AIX 4.3.3, 5.0, 5.1, 5.2 & 5.3
- Linux Red Hat & SUSE (various versions)
- Windows 2000 and XP

Specifications

Frame Buffer Size	64MB
Color Lookup Table	2048 entries from a palette of 16.7 million colors + 2 AUX 256
Bits Per Pixel	8, 16, 24 or 32 (software configurable)
Dynamic Color Plane Groups	32
PCI Interface	33/66 MHz 32/64-bit Revision 2.2
Video Connector	Dual link DVI
Temperature Rating	10° to 50° C (operating) -10° to 70° C (non-operating)
Humidity Rating	10% to 90% (non-condensing)
Power Rating	Less than 25 watts
Physical	12.283 inches x 4.2 inches (PCI long format)

Tech Source