



Raptor 2100T

2048 x 2048 Color Video Graphics Adapter

Raptor 2100T 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
- Supports Transparency & Translucency

Markets

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

Platforms

- Sun Desktops/Servers
- Digital Alpha Workstations
- Linux based PCs
- Windows 2000

The Tech Source Raptor 2100T graphics accelerator combines on a single slot PCI card, a comprehensive array of high-end display subsystem features. The Raptor 2100T 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 well with 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.

The Raptor 2100T 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 2100T has been meticulously fine tuned and is easily the best amongst all graphics products in its category.

Raptor 2100T Technical Specifications

Raptor 2100T PCI video graphics adapter, 2048 by 2048 color resolution, 64 MB frame buffer, includes DB-5-W5 to 5BNC video cable, operating system specific device driver software and manuals.

Software Available

Raptor OpenWindows for Solaris	Loadable drivers for Sun PCI systems running Solaris 2.6, 7, 8 and 9.
Raptor X Servers for Digital UNIX	Loadable drivers for the Digital/Compaq Alpha workstations running Tru64 UNIX 4.0f, 5.0, 5.1.
Raptor Drivers for Linux	Loadable drivers for Red Hat & SUSE Linux on x86 based machines
Raptor Drivers for Windows	Loadable drivers for Windows 2000

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 Interface	Red, green and blue at RS-343 levels (50 ohm)
Video Sync	Separate sync at TTL levels (75 ohm)
Video Connector	DB-5-W5
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

3340 Edgewater Dr.
Orlando, FL 32804
407.262.7100

www.techsource.com

Tech Source, the Tech Source logo, and Raptor 2100T are trademarks of Tech Source, Inc. All other trademarks are the property of their respective owners. ©2002 Tech Source, Inc. All rights reserved. Information in this document is subject to change without notice. Tech Source, Inc. assumes no responsibility for errors or omissions that may appear in this document.