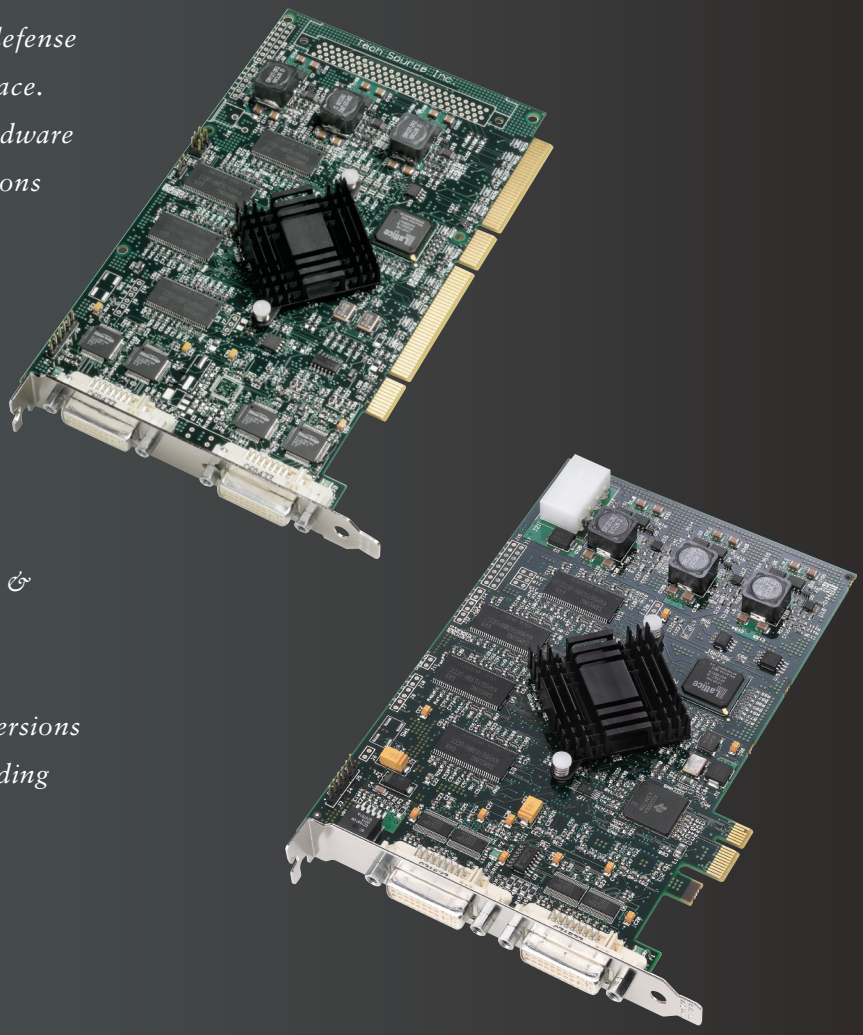
Tech Source
An EIZO Group Company

Raptor™ 4000-R
Raptor™ 4000e-R

High Resolution Color Video Graphics Adapters

To see the big picture, ATC and defense require efficient display of airspace. The Raptor 4000-R and 4000e-R hardware video rotation offers new display options for greater efficiency through highly configurable resolution support including 1600 × 2560 portrait mode.

- *256 MB frame buffer*
- *Hardware video rotation*
- *Multi-mode resolution support and layering via 8+8, 8 bit, 24 bit, 8+24 & MOX modes*
- *DVI-I × 1 (digital/analog)*
- *PCI and PCI Express (short card) versions*
- *Comprehensive customer care including long-term technical support*
- *Support for Linux, Solaris & Tru64*

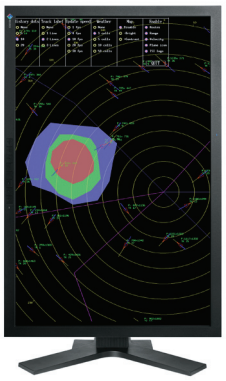


FEATURES

Hardware Video Rotation

The Raptor 4000-R and 4000e-R are the industry's only boards to offer portrait mode display for monitors of up to 30" without sacrificing advanced feature sets. These include 32 independent MOX (Multiple Overlay eXtension) overlays and 8+8 video mode supported on legacy ATC systems including Tru64 UNIX and Solaris. They also offer these same features to customers porting their applications to installations using Linux.

2K × 2K Primary Monitor



30" Primary or Auxiliary Monitor with Portrait Rotation

Maximum Performance and Flexibility

With 256 MB of on-board memory and an efficient memory manager, the boards offer excellent drawing performance and optimal pixmap management with minimum host CPU usage. These products offer maximum flexibility, supporting more video modes than any other graphics boards currently on the market. In addition, traditional video modes such as 8 bit, 24 bit and 8+24 are available and selection is easily achieved through software configuration.

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Backward Compatibility

The boards are backward compatible with their predecessors such as the Raptor DL-Lite, so customers can maintain the same functionality they are accustomed to while enjoying the new features of these boards.

Innovative Cooling System

Graphics board GPUs must be sufficiently cooled at all times not only to ensure optimum performance, but more importantly, to protect them from failure. While most cards rely on cooling fans that may wear out over time, the Raptor 4000-R and 4000e-R employ an innovative passive heatsink. This increases reliability while eliminating downtime and expense required for fan inspections and maintenance.

Wide-Ranging Support

The Raptor 4000-R and Raptor 4000e-R support drivers for Solaris, Linux and Tru64 UNIX. These drivers are easy to install and are backed by our renowned technical support. Because our drivers are developed in-house, Tech Source is responsive to customer needs, and in the unlikely event of a problem, customers can contact an engineer directly.

Longest Product Life in its Class

While most vendors' products are only available for one or two years, Tech Source guarantees Raptor 4000-R and 4000e-R availability for at least five years and support for at least ten years. For system integrators, OEMs, and ATC centers, this means significant savings on development costs by reducing the frequency of configuration re-testing that is necessary when replacing old cards with new ones.

About Tech Source

Tech Source, Inc. has provided computer graphics hardware solutions to the ATC and military markets for over 20 years. Tech Source is a subsidiary of Eizo Nanao Corporation, a leading global manufacturer of high-end display monitors. The companies offer combined expertise, cutting-edge graphics solutions, and complimentary product lines for ATC, defense, and other markets.

Specifications

	Raptor 4000-R	Raptor 4000e-R
Frame Buffer Size	256 MB	
MOX Hardware	Tech Source MOX Functionality; 32 layer management	
Color Lookup Table	2048 entries from a palette of 16.7 million colors + 2 AUX 256	
Graphics Modes	8 bit, 24 bit, 8+8, 8+24, MOX 16, MOX 24, MOX 32 (software configurable)	
Dynamic Color Plane Groups	32	
Interface	33/66 MHz 32/64-bit Revision 2.2	PCI Express 1x, Compliant with PCI Express Base Spec
Video Connectors	Dual Link DVI-I × 1 (Second port not active)	
Maximum Supported Resolutions	Digital: 2560 × 2048 Analog 2048 × 2048	
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	
Dimensions (L × W)	174.6 mm × 106.7 mm	167.7 mm × 111 mm
Software Environments*	• Sun Microsystems Solaris • Solaris x86 • HP Tru64 UNIX • Linux Red Hat • HP Tru64 UNIX	

** Please contact for further details or additional environments.*

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Specifications are subject to change without notice.

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