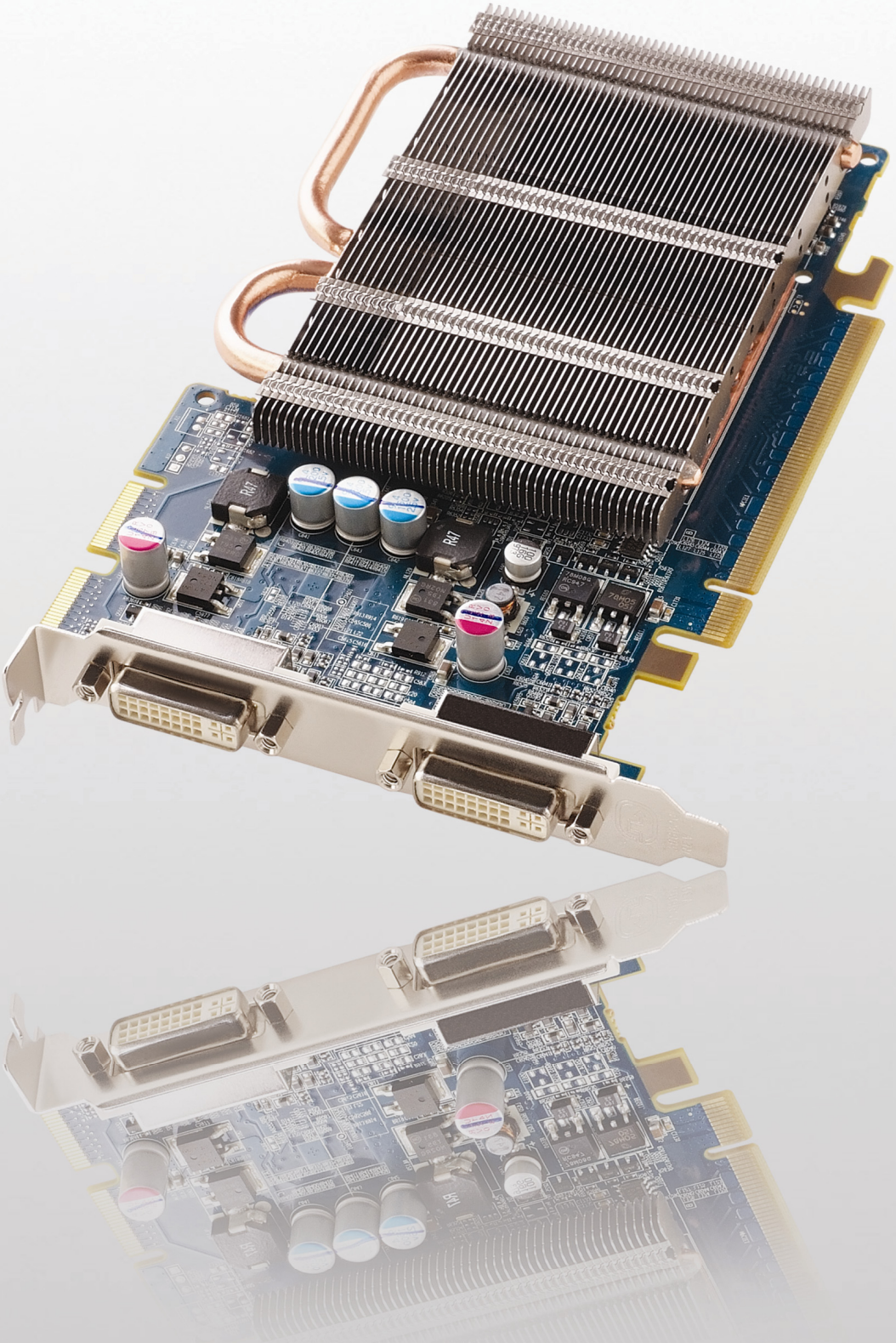
EIZO®

High Resolution Graphics Board

Raptor® 5000



High Resolution Graphics Board

Raptor® 5000

The EIZO Raptor 5000 is a two-headed graphics board that supports high resolution digital and analog monitors. It is designed specifically for air traffic control, vessel traffic control, and command and control applications which require long product life cycles and long-term support. The card uses specially designed high-tech passive cooling that eliminates the need for a fan, thereby increasing life expectancy.

Multiple Resolution Support

The Raptor 5000 has two DVI-I outputs for simultaneous display on digital and/or analog monitors. It can drive digital monitors with resolutions up to 2048 × 2048 (such as the EIZO Raptor SQ2801) and 2560 × 1600, and analog monitors with resolutions up to 2048 × 1536.

OpenGL/DirectX Support

The Raptor 5000 supports OpenGL 3.3 and has 320 shader processors that allow for both fast OpenGL performance and solid GPGPU computing (OpenCL and STREAMS). The product also supports DirectX 10.1 under Windows.

Maximum Performance

With 512 MB of GDDR3 (700MHz) on-board memory, the Raptor 5000 offers excellent drawing performance that is comparable to other premier graphics boards on the market. The powerful on-board GPU has built-in capability for H.264, VC-1 and MPEG-2 decoding with superior video playback fidelity and minimum CPU utilization.

Long-Term Availability

Like other Raptor series graphics boards, the Raptor 5000 will be available for at least five years and supported for several more years. The Raptor 5000's long life avoids the re-testing required every time a new graphics card is introduced, thereby reducing the total cost of ownership.

Passive Cooling

The Raptor 5000 uses specially designed high-tech passive cooling that eliminates the need for a fan, thereby increasing life expectancy.

About EIZO

EIZO manufactures a complete lineup of visual display and recording solutions for ATC environments. The company's products include primary control monitors, high-bright monitors, auxiliary and touchscreen monitors, graphics boards, and hardware/software recording solutions. EIZO is based in Japan and has R&D facilities in the U.S. and Germany. It is listed on the first section of the Tokyo Stock Exchange (TSE: 6737) and represented in more than 60 countries around the world.

Specifications

Graphics/Memory Speed	600 MHz/700 MHz
Frame Buffer Memory	128-bit, 512MB, GDDR3
Color	16.7 million colors (24-bit)
Interface	33/66 MHz 32/64-bit Revision 2.2
Dynamic Color Plane Groups	32
Maximum supported resolutions	Digital: 2048 x 2048 or 2650 x 1600 Analog: 2048 x 1536
Video Connectors	DVI-I x 2
Temperature Rating	Operating: 10°C to 50°C (50°F to 122°F) Non-operating: -10°C to 70°C (14°F to 158°F)
Humidity Rating	10% to 90% (non-condensing)
Power Rating	Less than 40 watts
Dimensions (L x H x W)	17.5 cm x 1.9 cm x 11.1 cm (6.9" x 0.7" x 4.4")
Platforms	Linux (x86), Windows 7, Vista, and XP
API's supported	OpenGL 3.3, DirectX 10.1
Warranty	Two years

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