

Raven

The Ultimate Accelerator for 3D Games, 2D Power Desktop and Video

Raven™ is the graphics accelerator that powers your 3D games and 2D applications to an incredible new performance level. Power-hungry 3D games will explode with brilliant texture and color, blazing-fast frame rates, and flicker-free resolution up to 1600x1200. Powered by the 3Dfx Voodoo Banshee™ chip, Raven blows past the competition with hundreds of games optimized for this advanced 3D technology. Raven delivers stunning effects, super-exciting gameplay and vastly improves the performance of your 2D applications. Raven is the no-compromise accelerator for all your visual computing needs.

Powered by 3Dfx Voodoo Banshee

Voodoo Banshee is the latest graphics chip from 3Dfx Interactive - the leader in graphics chip technology for 3D games. Voodoo Banshee combines the power of 3Dfx Voodoo™ technology with superior 2D/VGA performance. Raven supercharges all your favorite games and 2D desktop applications.

The Best Game Bundle in the Industry

Raven's game bundle includes what are likely to be the 3 hottest titles of the year. NFL Blitz™, San Francisco Rush™ the Rock, and GEX™ Enter the Gecko™ from Midway Home Entertainment! All together this bundle is a \$120 Value!

NFL Blitz™ - Sports Game - Officially licensed by the NFL, it's like no football game ever seen before. So realistic, every tackle is felt, with no penalties, no substitutions and no place to hide.

San Francisco Rush the Rock - Alcatraz Edition™ - Driving Game - A favorite in the arcades. "Extreme Racing" at it's finest combining fantastic action and breathtaking graphics in an all out streets of San Francisco driving rush.

GEX™ Enter the Gecko™ - Fantasy Game - Melding humor, stunning visuals and challenging play, Enter the Gecko™ reintroduces the wisecracking GEX in his attempt to keep the nations television airways free.

The Most Games

Raven is designed to accelerate games built to all standards including 3Dfx Glide, Microsoft Direct3D and OpenGL. And with hundreds of games enhanced exclusively for 3Dfx technology, Raven runs more games than accelerators based on competing technology. No other 2D/3D graphics engine can deliver the visual richness and performance of 3Dfx Voodoo Banshee.



Images courtesy of Midway Home Entertainment.



16MB SDRAM for blazing 3D gameplay at brilliant 1600 x 1200 resolution

Today's 3D games deliver incredibly rich imagery through a technique known as texture mapping. Texture maps require lots of graphics memory. The more memory on your graphics board, the more fantastic your 3D game experience will be. Raven delivers what you need - a massive 16 MB of high speed graphics memory - enough to feed even the most demanding games at the highest possible frame rate and resolution.

Advanced Window's GUI Acceleration for the Power Desktop

Raven breaks the 2D-performance barrier with true 128-bit Windows GUI and VGA acceleration. Total hardware acceleration of Microsoft DirectDraw® and Windows GDI allows for demanding 2D applications such as Adobe® PhotoShop®, Adobe Illustrator®, Autodesk® AutoCAD®, Microsoft Office, Netscape® Navigator®, and Microsoft® Internet Explorer scream with instantaneous re-draw and the fastest pan and zoom scrolling commands.

Raven - The Complete Graphics Upgrade Solution

Raven is the first upgrade solution that delivers both state-of-the-art gaming and advanced desktop graphics in one affordable accelerator. Just plug Raven into a single slot and turn your PC into a visual computing powerhouse.



Feature Highlights

Advanced 3D Texturing

- Perspective correct texture mapping
- Trilinear filtering
- Bump mapping
- Per-pixel Level of Detail MIP mapping
- Multi-texture enabled
- Smooth (Gouraud) shaded textures
- Palletized and compressed textures

Superior 3D Image Quality

- 1600 x 1200 3D resolution

Resolution, Color Depth and Refresh Rates*		
Standard Resolutions	Supported Color Depths	Supported Screen Refresh Rates
640 x 480	8, 16, 24, 32	60, 75, 85, 100, 120,
800 x 600	8, 16, 24, 32	60, 75, 85, 100, 120,
1024 x 768	8, 16, 24, 32	60, 70, 75, 85, 100, 120,
1280 x 1024	8, 16, 24, 32	60, 75, 85, 100, 120,
1600 x 1200	8, 16, 24, 32	60, 65, 70, 75, 85, 100,
1920 x 1440	8, 16, 24, 32	60

* Resolution, color depth and refresh rates are driver dependant and may not be available in all applications or operating systems. Refresh rates can be achieved with monitors operating at compatible frequencies.

- Integrated 250MHz RAMDAC
- Transparency and chroma-key with color mask
- Per-pixel, table-based atmospheric effects with simultaneous alpha blending
- Per-pixel MIP mapping, trilinear filtering
- Sub-pixel and sub-vertex positioning
- 22-bit per pixel effective color depth and Z-buffer precision
- Full scene edge anti-aliasing
- Single, double and triple buffering
- OpenGL compliant alpha blending

High Speed Performance

- 100 Megapixels per second fill rate with LOD MIP mapping, Z-buffering, alpha blending and per-pixel fog enabled
- On-chip triangle setup capable of processing 4 million textured triangles per second
- On-chip high speed texture cache unit

2D Feature Set

- 128-bit Microsoft Windows GUI acceleration
- Hardware support for all Microsoft GDI and DirectDraw

Video Sub-system

- Hardware color-space-conversion
- Hardware motion compensation

Simple to Install

- Easy Plug and Play Installation

Specifications

Graphics Processor

- 3Dfx Interactive™ Voodoo Banshee™ with Integrated 128-bit 2D, 3D and video graphics engine
- Integrated Voodoo² pixel and texel units
- Integrated 3D stereo output

Memory Configuration

- 16MB SDRAM dedicated graphics memory
- Dynamically reconfigurable between texture, frame and Z buffers

3D API Compatibility

- 3Dfx Interactive Glide™
- Microsoft Direct3D®
- OpenGL®

Minimum System Requirements

- PCI 2.1 compliant system for Raven PCI
- AGP compliant system for Raven AGP
- Pentium® class or faster processor
- Microsoft® Windows® 95 OSR2.1 or Microsoft Windows 98 or Microsoft Windows NT® 4.0 with Service Pack 3
- VGA, multi-frequency compatible monitor

Regulatory Compliance

- FCC Class B
- CE conformity

Warranty

- 3 year return to factory for repair or replacement



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