



# Verto® GeForce FX 5200 Ultra

## THE JOURNEY OF VERTO®

All journeys have an alpha, a beginning. If this is your first Verto journey, we say welcome. Your life is about to be transformed... forever. If you have experienced the magic of Verto before, you will be amazed at the heightened sensory experience on which you are about to embark. Do not be alarmed. The changes you see have made Verto stronger, faster and more technologically awesome than ever.

No matter where you are on your journey, Verto now has even more power to transport you to a world that few could ever imagine. A realm where time stands still and there is no day or night -- a gateway to a galaxy of endless possibilities. Do you have what it takes to harness its power? Think very carefully before you answer, for there is no turning back. You will be traveling alone on an endless journey to uncharted territory, guided solely by your wits and imagination. So buckle up and get ready for the ride of your life.

As the rush of Verto kicks in, it becomes clear that all preconceived notions of the ultimate gaming 3D graphics experience have just been eclipsed. Your senses have never been this alive, this acute. A mind-blowing explosion of light, color and sound lie in wait at every twist and turn. Yet, no matter what obstacle crosses your path or how formidable the opponent, you simply laugh in its face. Nothing can stand in your way once you've mastered the magic of Verto; gaming invincibility is finally within your grasp.

## VERTO GEFORCE FX FAMILY

The Verto GeForce FX graphic card family delivers cinematic-quality imagery, studio-quality color and awesome special effects in real time for a totally immersive design and gaming experience on the desktop.

## VERTO GEFORCE™ FX 5200 ULTRA AT A GLANCE

- 128MB high-speed DDR memory
- 10.4 GB/sec. memory bandwidth
- Integrated GPU heatsink/cooling fan
- Memory heat sinks



- VGA, DVI + S-Video (TV-out) outputs
- Maximum display resolution 2048x1536x32 bpp at 75Hz
- Flat panel display support with resolutions up to 1600x1200

## VERTO GEFORCE™ FX 5200 ULTRA FEATURES & BENEFITS

- **NVIDIA® CineFX™ engine** -- Delivers film-quality effects and studio-quality color for every application
- **128-bit Studio-Precision Color** -- The industry's best image quality for the most demanding applications
- **Architected for Cg** -- Ensures that the newest, cutting-edge special effects in applications will run flawlessly
- **NVIDIA® Digital Vibrance Control™ 3.0 Technology** -- Allows the user to adjust color controls digitally to compensate for the lighting conditions of their workspace, in order to achieve accurate, bright colors in all conditions
- **NVIDIA nView™ Multi-display Technology** -- Connect and control multiple displays for the ultimate in viewing flexibility
- **Integrated TV encoder** -- Provides best-of-class TV-out functionality up to 1024x768 resolution

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## Performance Specifications

Graphics Core	256-bit
Memory/Interface	128MB DDR/128-bit
Memory Clock	650MHz Data Rate
Memory Bandwidth	10.4GB/sec.
Fill Rate (Texels/sec)	1.3 billion
Vertices/sec.	81 million
Pixels per clock (peak)	4
RAMDAC (MHz)	Dual 350 MHz RAMDAC's



## IN-BOX PROMOTIONS



### Introducing Verto's 3D World

Verto 3D World is a custom 3D desktop interface powered by 3DNA™. Users can easily access their programs, folders, files and favorite websites aboard the Verto spaceship's incredible game-like interface. Users can explore the Verto spaceship, hang digital photos on the walls, and blast alien invaders with the two retro-fun games that are included.



### Full Splinter Cell® Game Three CD Set

When two CIA agents mysteriously vanish in the former Soviet republic of Georgia, the NSA's secret sub agency, Third Echelon, deploys Sam Fisher - its most capable splinter cell operative - to recover them. Fisher soon uncovers a deeper conspiracy: a plot that threatens to destabilize world order and spark nuclear conflict.

Fisher, like all Third Echelon Splinter Cells, is granted the use of the Fifth Freedom - unprecedented latitude to safeguard America's security by any means necessary. Acting alone, he uses terrorists' own tactics against them. Should he fall to enemy hands, the U.S. government will disavow any knowledge of his existence.

No more time for negotiations and diplomacy. The time for decisive action has come. Strike from the darkness... Fade away. You are Sam Fisher. You are a Splinter Cell.

# Verto® GeForce FX 5200 Ultra

- **Integrated full hardware MPEG-2 Decoder** -- Delivers full-frame rate, full-screen MPEG-2 video on your desktop
- **AGP 8X** -- Provides double the bandwidth of AGP 4X, allowing for uninterrupted data flow
- **Microsoft® DirectX® 9.0 Optimizations and Support** -- Ensures the best performance and application compatibility for all DirectX 9 applications
- **OpenGL 1.4 Optimizations and Support** -- Ensures the best application compatibility performance for all OpenGL applications
- **Unified Driver Architecture** -- Guarantees forward and backward compatibility with software drivers simplifying future NVIDIA graphics card upgrades

### High-Performance, High-Precision 3D Rendering Engine

- 4 pixels per clock rendering engine
- 128-bit, studio quality floating point precision through the entire graphics pipeline
- Support for 128-bit floating point, 64-bit floating point and 32-bit integer rendering modes
- Up to 16 textures per pass
- Support for sRGB texture format for gamma textures
- Microsoft® DirectX® and S3TC texture compression High-Performance 2D Rendering Engine
- Optimized for 32, 24, 16, 15, and 8-bpp modes
- True-color 64x64 hardware cursor with alpha
- Multibuffering (double, triple, quad) for smooth animation and video playback

### Antialiasing

- Blisteringly fast antialiasing performance
- Adaptive texture filtering
- Fast Z-clear

### Advanced Display Pipeline with Full NVIDIA™ nView™ Multi-display Capabilities

- Dual 350MHz RAMDACs for display resolutions up to and including 2048x1536 @ 75Hz
- Integrated TV encoder supporting resolutions up to 1024x768
- DVD and HDTV-ready MPEG-2 decoding up to 1920x1080 resolutions
- Video Mixing Renderer (VMR) supports multiple video windows with full quality and features in each window

### MINIMUM SYSTEM REQUIREMENTS

- Intel Pentium® III, AMD™ Duron or Athlon™ class processor or higher
- 128MB system RAM
- 250W system power supply
- AGP 2.0 or 3.0 expansion port

- 17MB of available hard disk space (50MB for full driver installation)
- CD-ROM or DVD-ROM drive
- Microsoft® Windows® 98 or higher, ME, 2000, XP, or Windows® NT4.0 (Service Pack 5 or 6)
- VGA or DVI-I compatible monitor
- 4-pin 12-volt power connector from the internal power supply

### A FULL LINE OF GRAPHICS CARDS

PNY markets a full line of Verto AGP and PCI Graphics Cards for ultimate gaming performance with a variety of computer systems.

### TECHNICAL SUPPORT

For technical product support, FAQs and information on the latest up-to-date drivers, visit PNY's website at [www.pny.com](http://www.pny.com) or phone 888.316.1193.

### LIFETIME REPLACEMENT WARRANTY

Lifetime Replacement warranty is for replacement for like items only and does not cover items out of production if PNY no longer stocks them. (Lifetime is defined as the lifetime of the product on the market. Outdated technology is not covered by lifetime warranty if the item is no longer available on the common market as a new product.)

### WHERE TO BUY

PNY products are sold through a variety of leading retailers, mail order houses, distributors and on-line channels. Visit PNY's website ([www.pny.com](http://www.pny.com)) for specific location information.

### ORDERING INFORMATION

#### Verto GeForce FX 5200 Ultra

Retail Box Part Number: VCGFX52UAPB

Retail Box UPC Number: 751492227665

Bulk Part Number: VC-GF5200UA8D12D-M

Bulk UPC Number: 751492230849

### WORLD CLASS PERFORMANCE

PNY Technologies, Inc., an ISO 9000 registered company, is a world-class leader in computer memory upgrade modules (desktop, notebook & server), flash media (Compact Flash™, SmartMedia™, MMC™, SD™) and accessories, Verto consumer graphics cards and NVIDIA Quadro by PNY professional workstation graphics boards.

Headquartered in Parsippany, NJ, PNY maintains facilities in North America (Parsippany, NJ and Santa Clara, CA), Europe (France, Germany and the United Kingdom) and Asia.

