

NVIDIA® GeForce® 7800 GS Consumer Messaging

Tagline: Full-Throttle Graphics

Next-generation architecture delivers mind-blowing performance

- New NVIDIA® CineFX® 4.0 engine delivers advanced visual effects at unimaginable speeds
 - 2x floating-point shader power (over previous generation)
 - New texture core accelerates 64-bit floating point texture filtering for state-of-the-art HDR support
- Proven Microsoft® DirectX® 9.0 Shader Model 3.0 technology
- Built for Windows Vista™ — the next-generation Microsoft® operating system (OS)
- Industry's most stable driver architecture delivers rock-solid reliability and compatibility

Advanced visual effects engines deliver the most realistic gaming experience

- New NVIDIA® Intellisample™ 4.0 technology delivers exceptional visual quality through gamma adjusted rotated grid antialiasing and advanced anisotropic filtering
 - Breakthrough transparency supersampling and multisampling antialiasing modes
 - Improved sample coverage (up to 128 Taps) improves quality of anisotropic filtering
 - Support for normal map compression enables more lifelike characters and environments
- 64-bit floating point texture filtering and blending delivers state-of-the-art HDR support

NVIDIA® PureVideo™ technology delivers home-theater quality video to the PC

- Dedicated video processors dramatically increase video processing performance
- Enhanced HDTV processing delivers 50% efficiency improvement and WMV9 1080p support
- Multi-threading video processing improves efficiency
- MPEG2 video encode and decode delivers a stunning video experience
- WMV9 decode acceleration provides unmatched performance for Microsoft® Windows® Media Center Edition
- Industry's most advanced video algorithms
 - Inverse 3:2 and 2:2 pull-down
 - Advanced motion adaptive de-interlacing smoothes playback on progressive displays
 - High-quality video scaling and filtering allows you to change window size to full screen without video noise or artifacts
- Integrated HDTV-output brings content from your desktop to your high-definition TV