

## **NVIDIA® GeForce® 7900 GPUs Messaging**

### **CONSUMER MESSAGING**

#### **Designed for extreme HD gaming**

- 90nm process delivers blazing core clocks for ultra-fast graphics performance
- NVIDIA® CineFX® 4.0 engine delivers advanced visual effects at unimaginable speeds
  - Greater than 2x the floating-point shading power (over previous generation architecture)
  - Advanced texture core accelerates 64-bit floating point texture filtering for true high dynamic-range (HDR) lighting effects
- NVIDIA® SLI™-Ready -- Up to 2x the performance of a single GPU for unparalleled gaming experiences
- 256-bit memory interface and fast GDDR3 memory enables rapid frame rates with all the eye-candy turned on
- Two integrated dual-link DVI ports support high-definition flat panel displays up to 2560x1600 for an ultra-realistic HD gaming experience

#### **Advanced visual effects engines deliver ultra-realistic gaming experiences and unparalleled image quality**

- Industry's only GPU architecture with full support for Microsoft® DirectX® 9.0 Shader Model 3.0--including vertex texture fetch (VTF)--enables advanced shading programs for more realistic effects
- 64-bit floating point texture filtering and blending delivers true high dynamic-range (HDR) support for cinematic lighting effects
- Adaptive transparency antialiasing algorithm provides dramatically improved image quality with minimal performance overhead

#### **NVIDIA® PureVideo™ technology delivers high-definition home-theater quality video to the PC**

- Dedicated on-chip video processors dramatically increase video processing performance
  - H.264, MPEG2, and WMV9 decode acceleration provides unmatched HD and SD video playback and post processing
  - Dedicated video processor frees GPU's shaders to run 3D applications simultaneously
- Industry's most advanced video algorithms deliver smooth video playback and crisp picture quality
  - Inverse telecine (3:2 and 2:2 pull-down correction) detects and eliminates artifacts introduced during the film to video conversion process
  - Advanced spatial-temporal de-interlacing for high definition and standard definition content provides crisp images on progressive displays
  - High-quality video scaling allows you to change window size to full screen without video noise or artifacts
- VMR and Overlay video architecture is built for Microsoft® Windows Vista™, Windows® XP and Windows® XP Media Center Edition
- Comprehensive output support for connection to virtually any display device in the living room or office
  - DVI output enables a pure digital connection to high definition TVs at 720p and 1080p resolutions
  - Integrated HDTV encoder provides analog TV-output (Component/Composite/S-Video) up to 1080i resolution

#### **Built for Windows Vista™-- the next-generation operating system (OS) from Microsoft®**

- Third-generation GPU architecture built for Windows Vista
- Delivers best possible experience when running the Windows Vista 3D graphical user interface
- New OS supported by renowned NVIDIA® Unified Driver Architecture (UDA) for maximum stability and reliability
- NVIDIA® PureVideo™ technology delivers high-quality VMR pipeline for best-in-class video for Windows Vista