VIDEO FEATURES

DISPLAY FEATURES

Charisma Engine II

Operating Systems Support

Monitor Support

Memory Configuration

SmoothVision

SmartShader technology

ATI Radeon® 9000 Series Video Cards

Features

- Charisma Engine II
- SmoothVision
- SmartShader technology

Specifications

System Requirements

Supports a High-Performance anti-aliasing mode and a High-Quality anti-aliasing mode. Both of these modes give

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Display Features

Hardware Mirroring for flipping video images in video conferencing systems

Upscaling and downscaling

4-tap horizontal and vertical filtering

YUV to RGB color space conversion

Integrated MPEG-2 decode including iDCT and motion compensation for top quality DVD with lowest CPU

Lossless Z-Buffer Compression and Fast Z-Buffer Clear reduce memory bandwidth by up to 25%

Advanced anisotropic filtering supports 2 to 16 samples for high quality texture rendering with minimal

Programmable full-scene anti-aliasing supports 2 to 6 samples with user selectable performance and quality

Image quality enhancement features for Direct3D and OpenGL applications

1.4 pixel shaders support up to 22 instructions and up to 6 textures per rendering pass

Advanced vertex shader support for the latest programmable effects

43 million triangles per second peak throughput

Separate horizontal and vertical synchronization at TTL levels

Separate internal and external syncronization at TTL levels

More

Graphics Technology

Radeon® 9000 Series graphics technology operating at 375MHz for Radeon 9000 PRO

DVI-I (flat panel display) connector on PRO version only

Windows 98/98SE

Windows ME

Windows XP

64MB or 128MB (PRO only) of DDR memory operating at 550 MHz

Radeon 9000 SERIES graphics technology operating at 275MHz for Radeon 9000 PRO

64MB of system memory

Hardware accelerated de-blocking of blooming and afterimage problems

Integrated FPGA to decode DVI-P and HDMI input sources

Integrated Multi-Interface scaling engine provides fast and accurate scaling

Supports DVI-P, ATP, and HDMI formats

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