



Avid 3D

Based on industry-leading 3D animation, compositing, and special effects technology from Softimage, Avid 3D is designed for the special needs of video editors. Extruded text and logos, 3D models, powerful particle systems, and dynamic warping effects – created in real time with OpenGL hardware acceleration – are just some of the effects within easy reach.

Models, textures, materials, and shaders can simply be dragged and dropped into 3D scenes, whether created from scratch using Avid 3D's powerful creation tools or by customizing elements provided in Avid 3D's supplied libraries.

Avid 3D is optimized for use with Avid Xpress Pro and the Avid Xpress Studio. Shared media and metadata formats allow easy interoperability. Video clips from Avid Xpress Pro open as textures that can be applied directly onto 3D objects or used as backgrounds inside Avid 3D, and Avid 3D's camera view can be displayed to a client monitor through Avid Mojo hardware.

Key Features of Avid 3D:

- * Powerful 3D animation - Industry-leading power of Softimage technology adds exceptional impact to video productions
- * 3D title animation - Combine extrusion with powerful 3D warping and effects and real time composition for fast, unique animations
- * Customizable models and elements - Includes models from the highly respected Digimation libraries, as well as customizable texture maps, backgrounds, and scenes
- * Video integration - Video clips from Avid Xpress Pro open as textures that can be applied directly onto 3D objects or used as backgrounds inside Avid 3D
- * Special effects - Particle systems, warps, deformations and explosions are just a small sample of the effects capabilities of Avid 3D

Avid 3D Features

- * Integration with Avid Xpress Pro - MXF integration means that Avid Xpress Pro video can be integrated as a 3D element in an Avid Xpress 3D scene. Avid 3D's camera view can also be displayed on a broadcast monitor via Avid Mojo hardware, which also allows real-time output of uncompressed animation over mixed-format video
- * Customizable preset models, textures, materials, shaders and scenes - Save time with the expert power of Softimage technology. Save money with included models from the highly respected Digimation libraries.
- * Drag and drop scene creation - Quickly and easily create custom elements and scenes
- * 3D title animation – Avid 3D offers uncommonly powerful capabilities for the most common use for 3D in video
- * Logo extrusion - Complete control over extrusion, materials, reflections, animation, and more
- * Particle systems - Add weather, sparks, and more, both in 3D scenes and incorporated into video
- * Effects - Cloth-like warping allows easy flag simulation for graphics or video, animated explosions for “shatter” transitions, shape jitter, bounce, lens flare, glows, and much more

Avid 3D System Requirements

Avid 3D requires the following system configuration for both the standalone and Avid Xpress Studio version:

- * HP xw8000 dual 3.06 GHz Xeon workstation
- * 1 GB system memory
- * Windows XP Professional with Service Pack 1
- * NVIDIA Quadro FX 1100
- * Integrated IEEE-1394 FireWire port (plus an add-in 1394 card* for Avid Xpress Studio Complete with Avid Mojo and Digi 002)
- * 80 GB internal IDE drive
- * HP 300i DVD+RW / +R drive

Additional systems will be qualified later in 2004.

*The recommended FireWire card is the ADS Pyro PCI 64, available for approximately \$90 USD.