

**Autodesk**<sup>®</sup>  
Smoke<sup>®</sup> 2009

Start to finish.  
Faster.



Autodesk<sup>®</sup>

Handle any project that comes through your door—film, commercials, long-form episodics, bumpers and promos—on a single system.



Image courtesy of Fly Studio, Montreal.

## Autodesk Smoke is the premier all-in-one solution for online editing and creative finishing.

Whether you're an artist looking to expand your creative capabilities or a facility owner looking to differentiate your business with effects-centric finishing, explore your options with Autodesk® Smoke®. The 2009 release features a robust 3D compositing environment based on the Academy Award®-winning Autodesk® Flame® software toolset, in addition to expanded format support and increased interoperability with third-party applications.

Fully interoperable with Autodesk visual effects systems, Smoke provides you with a creative toolset and the high performance required to stay on top in a highly competitive industry. Differentiation is no longer an option, it's essential to your success. Smoke can give you and your business the edge

you need. If you work in television or broadcast, you don't have the luxury of time. The pressures of television post-production are extremely high, and Smoke delivers production-proven performance, reliability, and flexibility at a very affordable price.

With workflow becoming a significant pain point for most facilities, Autodesk has focused on workflow improvements in the latest 2009 release of Smoke. Now, with support for streaming media formats including Panasonic® P2 MXF files and SD or HD Apple® QuickTime® media, Smoke can play an integral role as part of a facility-wide workflow—allowing you to process images internally at superior uncompressed RGB image quality with the flexibility to use more of the file formats that are common in the industry today.

*"We are very excited about the implementation of a 3D compositing environment in Smoke. The powerful combination of Batch and Action makes it possible to complete complex projects in Smoke, enhancing our ability to market these systems to our clients in a very competitive space."*

—Dale Boyce, Senior Editor/Composer, Creative Group, Inc.

# Ideally suited to today's post environments, Smoke gives you the ability to finish in multiple formats and resolutions.

## Increase Your Profile and Grow Your Business

Differentiate yourself from the competition by creating intuitively, collaboratively, and quickly with a production-proven product. Powerful visual effects, streamlined workflow, and the ability to design your own templates enable you to bring your story to life faster. Whether you are working with SD or HD video, or in a true file-based, data-centric environment, Smoke is designed to accelerate your creative workflow and let you deliver the highest quality master possible for film, commercials, and broadcast design.

## Streamline Your Facility Workflow

- Collaborate with other artists. Complete clip compatibility between Smoke and Flame allows artists to build more efficient workflows to increase the overall visual impact and decrease the time to project completion.
- Edit quickly and finish creatively with a tree-based procedural compositing environment based on the Batch toolset from Flame.
- Transfer clips to share media and collaborate with artists working on other Autodesk Systems, or to conform and offload administrative tasks, freeing your creative seats for revenue-generating work.
- Take full advantage of Autodesk® Wiretap™ technology to enable platform-independent, remote project management and third-party file exchange. WiretapCentral™ software enables any authorized user to browse the remote clip library and generate QuickTime files for approval purposes.
- Simplify the process of running diagnostic tests. SystemCentral provides centralized diagnostic tools in a web-based application with a user-friendly GUI.
- Significantly reduce the amount of manual work to replicate a complex timeline. Support for AAF, Panasonic P2 MXF, QuickTime, and Apple® Final Cut Pro® XML makes it easier and faster to conform projects that come from other offline systems.
- Acquire and exchange 3D assets and media using Autodesk® FBX® high-end 3D interchange format.
- Share 3D lookup tables ( 3D LUTs) with Autodesk® Inferno®, Autodesk® Flame®, Autodesk®Lustre®, and Autodesk® Toxik™ software products to help ensure the color and lighting of your shots match and reduce the need to reapply color correction.



Image courtesy of The Chimney Pot.

## Key Features

### 3D Effects and Finishing

Smoke enables you to create interactively—and quickly. Featuring a powerful 64-bit architecture and industry-leading tools for conforming, editing, audio, paint, character generation, graphic design, and visual effects creation in a 3D compositing environment, as well as Master Keyer and Colour Warper™ technologies.

Increased visual effects capabilities are now part of Smoke 2009. The Batch procedural compositing environment promotes effects-centric finishing by opening up the workflow between timeline and effects, making the already powerful Smoke creative tools even more logical and efficient. Designed specifically to work in conjunction with editorial decisions, you can enter Batch using a horizontal or vertical selection of timeline segments and soft effects.

Smoke helps you maintain color consistency across all shots, design captivating titles and graphic elements, create versions, and output your final project to multiple formats. Autodesk's award-winning creative tools, performance, and interactivity enable editors and clients to collaborate and achieve the desired visual results.

### Creative Finishing and Advanced 3D Effects

Smoke is designed for fast and efficient online editing and effects-centric finishing. With the introduction of the award-winning Batch visual effects toolset in the 2009 release, the 3D compositing capabilities within a timeline are unsurpassed by any other online finishing application. Now, timeline-based effects can be quickly created and replicated. Creative modules provide extended tools as well as sophisticated animation features.

### Conform

Complete your projects faster and better with advanced conform and finishing tools. With expanded streaming media support including Panasonic PS2 MXF, expanded codec support, as well as support for AAF, OMF, FCP XML, and QuickTime, workflows can be streamlined. Work smoothly at native resolutions or use the efficient proxy workflow for film resolution projects.

### Color Correction

For sophisticated color correction, Smoke offers fast, accurate color isolation, correction, and matching. The intuitive color-correction interface has advanced capabilities to adjust shadow, midtone, and highlight regions of the image independently.

### Lustre Color Management

Eliminate the confusion over color values and ensure that everyone across the Autodesk Systems products pipeline\* is working with and approving images with the same color values. Autodesk Lustre Color Management tools provide a consistent and accurate color rendition of film-originated material. This integrated, out-of-the box solution is built upon high-precision spectral analysis of common print film stocks to achieve high-quality print simulation and high-fidelity color space conversion, from VFX to finishing and grading.

\*except Autodesk® Flint® and Autodesk® Smoke® HD

# A digital future you can build upon.

## Keying

Smoke offers the powerful Master Keyer, combining sophisticated keying technology with an intuitive, easy-to-use interface. Designed to make complex keying tasks simpler, the Master Keyer provides advanced keying tools, including integrated degrain, color spill, and edge controls for high-quality results that are obtained quickly.

## Motion Tracking and Stabilization

Fix camera shakes and track moving elements for seamless composites. Smoke provides the highly acclaimed Autodesk tracker for fast and precise, integrated motion tracking with the ability to handle obscured and obscured tracking elements.

## High-Performance Storage and 4:4:4 RGB I/O

The Autodesk® Stone® direct-attached storage system optimizes workflow with immediate high-resolution playback, faster rendering, and minimal facility network traffic. However, you now have the option to create efficient, collaborative workflows

using standard filesystem support. You can mount Smoke on a SAN or a NAS storage device, yet still work with the same conveniently organized Clip Libraries and robust media management that is available with Stone DAS. Artists will experience virtually instant Publish and Soft-Import operations, allowing for sharing of media with any third-party application.

## Interoperability

Smoke fits well in any post-production environment. Now with support for Panasonic P2 media, as well as industry-standard image formats such as Apple QuickTime, Adobe® Photoshop® PSD, and Autodesk FBX software interchange format, Smoke enables you to bring in other design elements. Autodesk® Wire® software for networking lets your system collaborate with other Autodesk advanced systems, while Autodesk Wiretap makes it easy and transparent to connect with third-party applications.

*"Whatever I visualize or whatever the clients visualize, we have the toolset in Smoke to make anything happen."*

—Randy Lowder of RIOT on finishing HBO's "Deadwood"

*"With this capital investment (in Smoke), we can now offer the same high-caliber video work as facilities in the major markets—but our customers don't have to pay an arm and a leg for it. We're very competitive."*

—Todd Taylor, Director of Video Services, Tango Productions



Versatile 博采

Image courtesy of Versatile Productions.

## We've Got You Covered.

You've invested in an Autodesk System to help you realize your creative vision. Learn how Autodesk® Subscription can help you boost productivity, increase return on investment, and stay ahead of the curve. As a holistic approach to maintaining your creative software environment, Autodesk Subscription for Systems provides complete coverage for both your creative applications and your infrastructure software.

For more information about Autodesk Smoke, visit: [www.autodesk.com/smoke](http://www.autodesk.com/smoke).

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