



The only affordable desktop  
video tool that gives you  
uncompromised video quality.

*“A 20th-Century  
Magic Lamp.”*



**PINNACLE™**

# If you can imagine it, you can create it.

*"...sensational package of hardware and software."*

*"Alladin; a Testarossa. All others; tricycles."*

*"...one of the hottest products introduced at NAB."*

At this point, you may be asking...

"Just what is Alladin, exactly?"

**ALLADIN IS A COMPONENT DIGITAL SWITCHER:**

- 4 layers of video, 2 keys over preview/program
- Luminance & chroma keying
- Seven-source switcher
- Advanced linear keying for graphics and characters
- Comprehensive set of transitions and wipes
- CCIR 601 4:2:2:4 internal processing

**ALLADIN IS A REAL-TIME 3-D DVE SYSTEM:**

- Broadcast quality performance
- Size, place and rotate with perspective
- Page turns, water ripples, slats in real-time
- Pixel switching technology
- Dynamic highlights and shading
- Montage buffer for compositing
- Trail and sparkle effects
- Timeline-based keyframe editing
- Positionable drop shadows
- Full bandwidth 8-bit key channel
- Sophisticated interpolation with H&V filtering
- Sub-pixel motion splines
- Frame processing for still images

**ALLADIN IS A PROFESSIONAL CHARACTER GENERATOR, PAINT AND 3-D MODELING SYSTEM.**

- Bundled Image North Inscrber CG™ Character Generator:
  - Less than one nanosecond effective resolution
  - User definable backgrounds
  - TrueType® and Adobe® PostScript® capability
  - Variable borders and shadows with opacity
  - Sub-pixel rolls and crawls
- Bundled video-oriented paint package features four cut buffers, an alpha channel and sophisticated image compositing
- Bundled CrystalGraphics Topas™ professional 3-D modeling and animation software lets your creativity expand into the third dimension

**ALLADIN IS A PROFESSIONAL STILL-STORE:**

- Broadcast-quality still-store with "Picon" display
- Dual frame buffer with extensive file conversion utilities including TIFF, PICT, TGA and BMP



GARY HINDERLITER  
PEPPER  
COMMUNICATIONS  
SAN JOSE, CA

*"Alladin is way off the scale in capabilities and quality when compared with anything else available. Right now, Pinnacle has the market cornered. I'm glad they're selling Alladin for the price they are—they made my choice even simpler!"*

*The power of Alladin's integration is illustrated in this composite of an over-the-shoulder insert with colored border, plus a character generator crawl mapped onto a water ripple shape. All done in a single pass in real-time!*





# with Alladin!

## **ALLADIN INTERFACES EASILY TO YOUR STUDIO.**

As an external unit, Alladin connects to your computer<sup>1</sup> via SCSI and operates in the easy-to-use Windows™ environment. Alladin is designed to integrate seamlessly with most popular linear and non-linear editing systems.

## **ALLADIN IS "THE VIDEO TOOL TO OWN!"**

Alladin's amazingly fast acceptance by a wide range of post-production professionals proves that it delivers the performance you need at a desktop price. And because Alladin is an open system, you won't be locked-in to obsolete gear as technology moves on.

Pinnacle, with its roots in the television broadcast industry, is renowned for broadcast-quality video processing technology. And our two EMMY® Awards for video technology innovation prove it. This means that you get the ultimate video quality from Pinnacle for your creations—quality that will impress your clients and make your job more exciting.



*Real-time mapping of video onto sphere.*



*Compressed and rotated image with real-time beveled border and soft drop shadow.*



*Single-pass, double-sided, four-corner page peel with dynamic highlights and shading.*



*Alladin's unique Genie Effects™ combines high-quality graphics with Alladin's DVE transformations to give you a totally new look.*

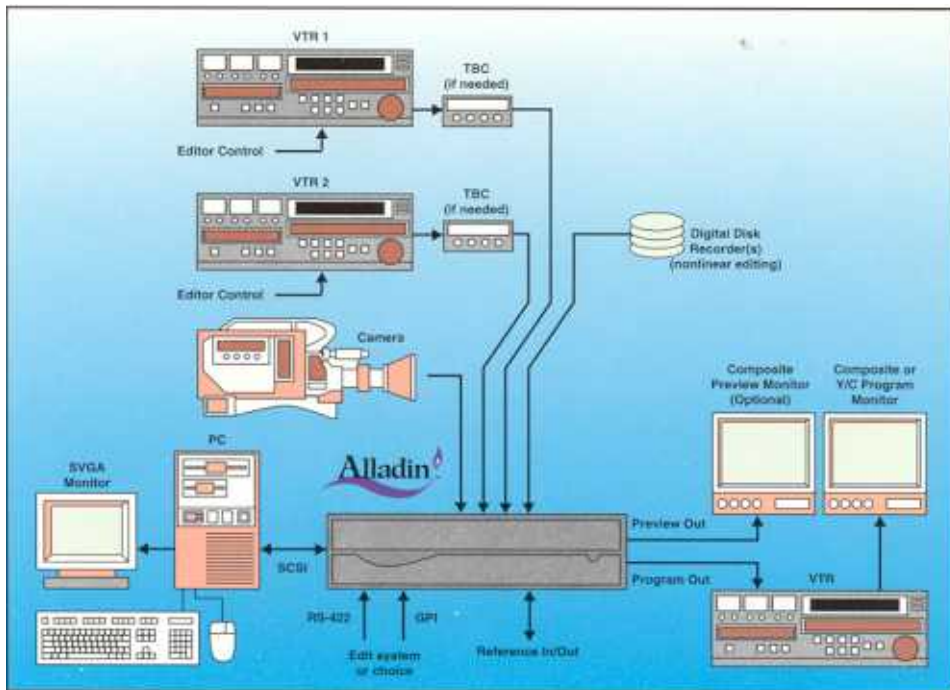
<sup>1</sup>Requires IBM® compatible 486DX 66 MHz or better PC, with DOS® 5.0 or higher, Windows 3.1 or higher, and at least 16 MB of memory with a 250 MB hard drive. Also requires a 16-bit or better video card capable of 800 x 600 pixel hi-color display with SVGA monitor, and an Adaptec® SCSI interface.





**ALLADIN GIVES YOU THOSE PRODUCTION TOOLS YOU'VE ALWAYS WANTED!**

Alladin's real-time, interactive 3-D DVE lets you create your own stunning effects, including page-turns, water ripples and spheres. And to meet those super-tight production deadlines, Alladin lets you choose from over a hundred pre-created effects and graphic transitions. DVE moves are spline-based, giving you ultra-smooth motion and no pixelization or breakup when pictures are compressed and rotated. A full bandwidth key channel lets you apply transparency to any element. Bring still images to life by emulating expensive motion-control rigs using Alladin's ultra-smooth image-motion. Or "fly" external graphics with the DVE. Choose from flat, beveled or



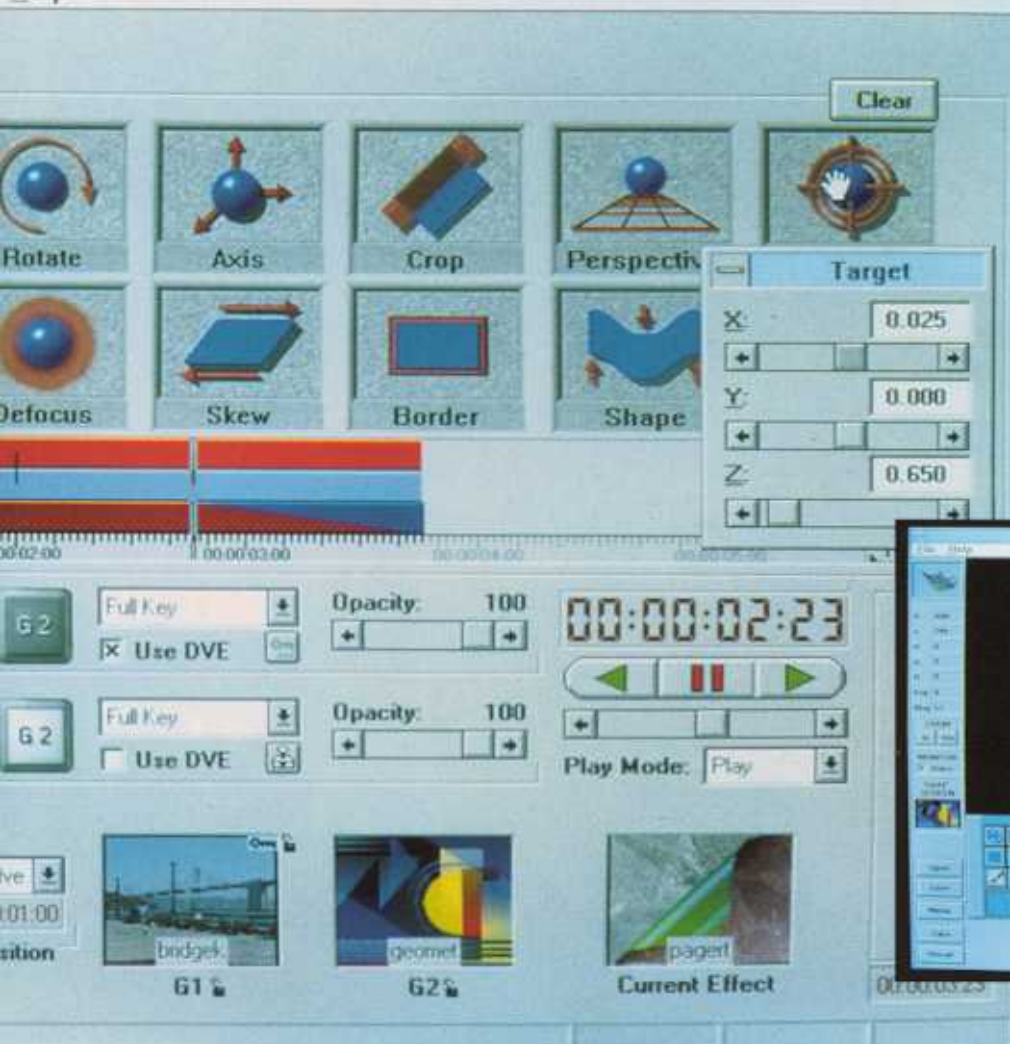
*Alladin's open architecture means you can choose from virtually any editor and any audio package—you can "customize" a complete system that fits your business exactly! And with Alladin's 4:2:2:4*

*internal video processing all your productions will feature the highest video quality. High performance. No compromises. Low cost. That's Alladin!*

fully adjustable picture-frame border. Alladin's dynamic highlights provide even greater 3-D realism.

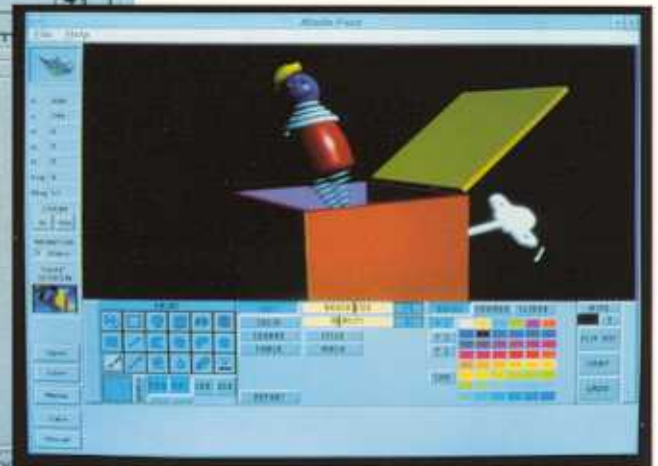
Alladin's 7-input switcher gives you four live inputs, two full-color frame buffers for use as still-stores, and "black." This advanced switcher lets you create video with effects using up to four independent layers. The two foreground key layers are capable of a linear key and a luminance key with clip and gain control, plus variable opacity. Alladin's advanced chroma keyer provides precise color selection and trapezoidal discrimination. And our unique Genie Effects combines graphics with the DVE to create custom transitions such as flying logos.

With the Image North Inscribe character generator, you get independently positionable drop shadows



The Alladin graphical user interface lets you move quickly among its many tools and functions. Clients will think you're a Genie!

The Alladin Paint Menu.



The Image North Inscrber CG character generator menu.

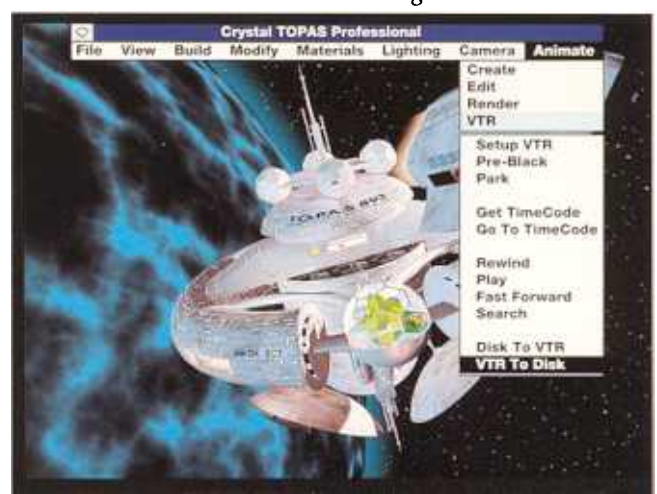
with directional light sources, flat or beveled borders, kerning and leading, and much more. And, when you add the power of Alladin's DVE, you get digital trail effects; softening and ultra-smooth, sub-pixel character rolls and crawls. You can even crawl text around a sphere, or create sci-fi title intros.

Alladin's paint package gives you full-screen paint with four separate cut buffers, variable brush types and styles, image compositing and many filtering techniques. Alladin even lets you paint directly on your program output for more precise color matching. Use the CrystalGraphics Topas Pro 3-D modeling package to scan in a client's business card, automatically outline and extrude their logo into a 3-D object, texture map it, and use it as an imaginative Genie Effects transition.

Alladin's still-store uses your PC's hard drive to store video and key images. Alladin's switcher provides two separate frame buffers to playback these images. Still-store images are manipulated with full-frame processing through the DVE.



The CrystalGraphics Topas Pro 3-D modeling and animation menu.





# Alladin: The professional video post-production tool.

## OTHERS CLAIM "BROADCAST QUALITY." HERE'S THE REAL TEST!

- Alladin meets NTSC, PAL and Y/C (SVHS) standards
- Offers optional analog component Betacam/MII (RGB/Y, R-Y, B-Y) inputs/outputs
- Conforms to CCIR 601 standards with 4:2:2:4 internal processing
- Sub-pixel image manipulation with advanced H&V filtering and interpolation
- Provides RS-422 serial control and GPI for editor control
- Supports frame-accurate editing through GVG and VTR emulation



## YOU GET THESE PROFESSIONAL TOUCHES WITH ALLADIN.

We made the software look like a typical studio switcher. Just select a graphic or video feed and hit the Play button to take the transition. And, unlike many software switchers, the Play button lets you play the transition forward and backward in real-time.

You can also get loop and "ping-pong" effects!



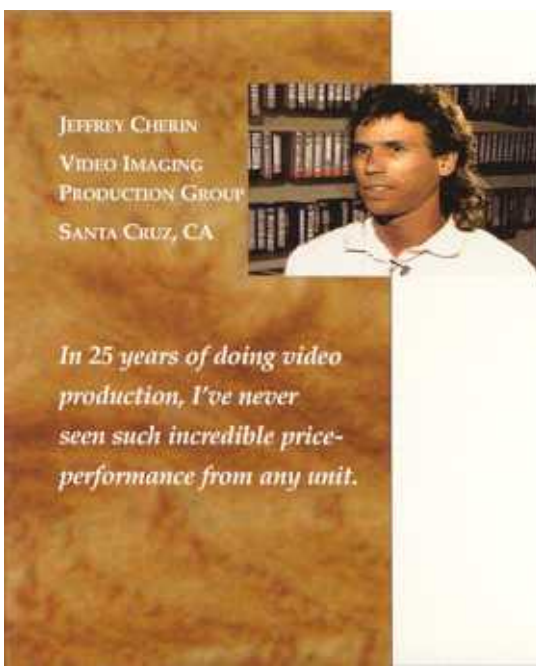
*Pinnacle's 1990 and 1994 EMMY® Awards for outstanding technical achievement from the Academy of Television Arts and Sciences.*



- *Ultra-modern and professional from the front, Alladin gives you outstanding studio flexibility on the rear. 4 BNC or S-Video inputs,<sup>2</sup> a separate key input, a program and preview video output, a SCSI connector, an RS-422 connector, a GPI port, and a reference loop-thru switchable to reference-out are provided. The chassis can be either freestanding or rack mounted.*

Alladin. The highest quality video post-production tool at the most affordable price, and the best customer support in the business. A smart decision for you, and for your clients.

Call us at 1-800-4PINNACLE (1-800-474-6622) for your free demo tape and the number of your nearest Pinnacle dealer.



<sup>2</sup>All video sources for Alladin must be synchronous.