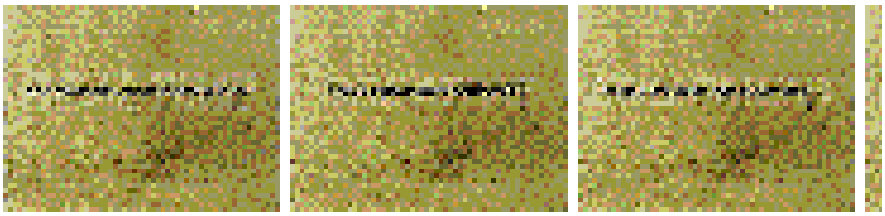
Effetto Pronto™

Real-time video and graphics compositing, effects software and hardware that includes a character generator, texture and bump-mapping, color correction, a chroma and luminance keyer, 3D warps with perspective, 3D animatable camera view and 3D animatable lights.

VIDEONICS®



Effetto • Pronto • Rapido™

Effetto™ \Ef·fetto\ [It - *effect*] : Stand alone QuickTime compositing and effects software package that includes: film and video resolution compositing, character generator, texture and bump mapping, color correction, chroma and luminance keyer, 3D warps with perspective, 3D animatable camera view and 3D animatable lights.

Effetto Pronto™ \Ef·fetto Pronto\ [It - *effects fast*] : Effetto™ QuickTime compositing software and a dedicated resolution independent PCI hardware accelerator card that provides Faster-than-Real-Time™ and Near-Real-Time™ effects processing using a proprietary Recombinant Image Processing™ (RIP) pipeline architecture.

Rapido™ \Rapido\ [It - *quick*] : Add-on daughter card for the Pronto PCI hardware accelerator card providing an open platform interface to third-party over-the-top digital video busses such as those from Truevision and Matrox.

Resolution independent

The Effetto Pronto system is completely resolution independent, so you're not limited to the resolution of a video raster as you are with other hardware-based effects systems. Whether you work in film or video, or both simultaneously, Effetto Pronto gives you the horsepower to exceed your most creative urges.

Faster-than-Real-Time™ and Near-Real-Time™ architectures

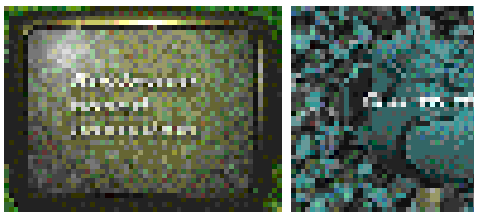
Our proprietary Recombinant Image Processing™ (RIP) pipeline architecture allows you to composite an unlimited number of QuickTime™ video and graphical elements in any resolution. The Pronto PCI accelerator card can process over a million pixels of film, video, graphics, and CG elements in real-time. Should a frame in your composited project exceed the Faster-than-Real-Time processing pipeline, the Pronto PCI accelerator card automatically shifts into a uniquely powerful mode called Near-Real-Time. In Near-Real-Time, complex composited frames are built to your computer's hard disk — blindingly fast — so fast it will seem like real-time. In fact, our Near-Real-Time mode is faster than some other systems that "claim" real-time operation.

True 3D working environment

Effetto Pronto is a true 3D environment. As you'd expect, any object can be rotated or warped on its X, Y, or Z axis and be positioned anywhere in 3D space.

Artistic expression doesn't wait to render

The Effetto • Pronto • Rapido family is 100% QuickTime compatible and can be easily integrated into your Power Macintosh QuickTime-based non-linear digital video editing and compositing suite.



The application automatically calculates the correct Z-depth perspective and priority for all your objects. And, we've included every view mode you can imagine to make working in Z-depth child's play. Just like a 3D modeling program, you can view your project from the front, back, right, left, top, and bottom.

3D animatable camera and lights

To make working in a 3D environment an absolute joy, we've provided a 3D animatable camera view and 3D animatable lights.

You can fly through your composite just by animating the camera. And, of course, the camera's motion path is completely spline-based, with ease-in and ease-out. The camera's focal point can be animated from wide-angle to telephoto over any duration of time. You can also lock the focal point on any object, so as you move the camera in 3D space, it tracks the object effortlessly. Or, you can position the camera in one static location and move the object around it — the camera automatically tracks the object.

You can choose between spot lights and bar lights, and every light can have its own unique hue, saturation, and brightness. Assign a light to a single object or to as many objects as you like. As you animate your 3D Lights, the highlights and bump mapped textured reflections correctly shine from the object's surface. You can have animatable drop shadows for every object. You can introduce as many lights into your scene as you have objects.

Apply these 3D DVE effects to QuickTime video, graphics or CG text

Scale, XYZ position, XYZ rotation, animatable center of rotation, skew, corner pinning, reveal, borders, opacity, blur, dissolves, slat transitions, wipes, soft edged wipes, page turns with highlights and shadows, texturized bump mapping, auto texturized bump mapping based on luminance values, quad-splits, warps with perspective, cylinders with perspective, spheres, page turns, page folds, oil drops.

Unlimited channels, resolution independent, 3D DVE

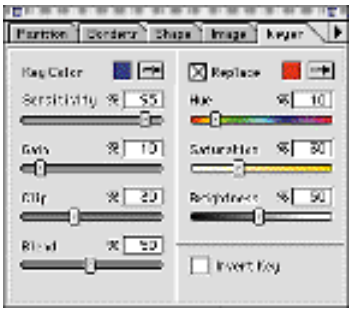
Effetto Pronto's unique pixel management and pipeline architecture allows you to work with an unlimited number of channels — at any resolution. Our true prospective real-time 3D DVE allows you to customize your own warps, add bump maps and animate colored lights. The look you are able to produce with your Effetto Pronto system surpasses that of other black-box DVEs costing tens of thousands of dollars more.

Two channel 3D DVE with real-time transitions

Rapido's open platform, over-the-top digital video bus interface to third-party digital video capture cards provides real-time transitions from within the Clip Editor window. For example, connect Effetto Pronto and Rapido to Truevision's Targa 2000 RTX dual-channel motion J-PEG card, and you'll have an extremely powerful desktop-based, real-time compositing system. By using these over-the-top video busses, the Rapido daughter card completely eliminates video transfers across the PCI bus bottleneck, vastly improving performance and speed.

Chrominance and luminance keyer with complete color correction

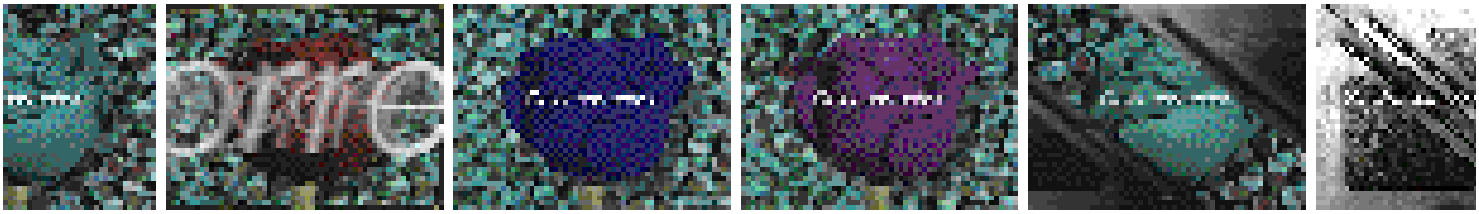
Effetto Pronto offers very high quality and flexible keying and color correction. With internal RGB plus

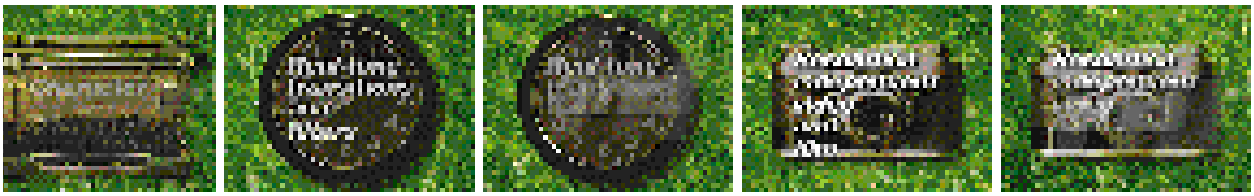


alpha, 4:4:4:4, and multiple-pass processing, you have complete control over all color parameters.

The simple-to-use color picker and numerical entry GUI provides fast, precise color selection. And, the Faster-than-Real-Time pipeline architecture gives instantaneous feedback to your creative choices.

Effetto Pronto includes: Luminance keyer, Chrominance keyer, Linear key, Soften key, Invert key, RGB





plus alpha color correction, Black & White balance level adjustments with tint, Monochrome and sepia.

Professional character generator

Our real-time character generator has been designed for absolute simplicity by incorporating many of the

standard features found in word processor and page layout applications. It supports PostScript, TrueType, and QuickDraw GX fonts — so all your system fonts are available and ready for immediate use.

Every available effect can be used with the character generator. And don't forget, we're not talking about rendered effects. All this happens at Pronto speed. 3D DVE moves and warps, texturized bump mapping and 3D animatable lights are just a few of the really cool ways you can add your personal artistic look to characters.

The CG module provides complete animation control over every letter, word, sentence, paragraph or page of text. We even supply you with a host of Cool Moves™ like crawl, roll, scroll, zip, reveal, pop, dissolves, and wipes — to keep you working in real-time. Want to customize our Cool Moves or make your own? No problem.

And of course, Effetto Pronto's broadcast quality 9.25 nanosecond resolution produces sharp, crisp fonts and logos in any scan line height.

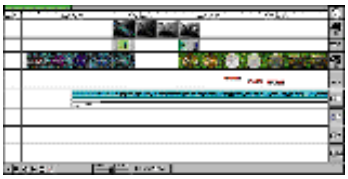
Advanced high-end character generator

Support for PostScript, TrueType, and QuickDraw GX fonts, unlimited text overlap, free form text positioning, point and click typing, keyboard and mouse GUI, font & color palette thumbnails, unlimited number of simultaneous attributes, instant font composition or pre-rendered fonts, X,Y,Z position, X,Y,Z rotation with adjustable perspective and pivot points, independent H and V aspect ratio, extrusions in any direction, italics, boldness, bevel, emboss, defocus, multiple color shading through 360 degrees, edge and background transparency, word and line spacing, right, left, center and edge-to-edge justification, cut, copy and paste, highlight to select function, colored gradient background generator, drop shadows, softness, shear, scale, rotation, perspective, X and Y offset, import Mac and PC graphics, apply all attributes to graphics, frame grab from video, rolls, crawls, zips on or off in any direction, Reveals, pops, dissolves, wipes, variable effect speeds, timed effects, accelerate and decelerated rolls and crawls, fade titles, fade to and from black.

Complete video finishing from one application

We include a QuickTime Clip Editor that allows you to finish your composited video with the rest of your QuickTime video clips, all from within the Effetto software application. The Clip Editor includes A and B video channels, a transitions track, a CG track, and four channels of stereo audio.

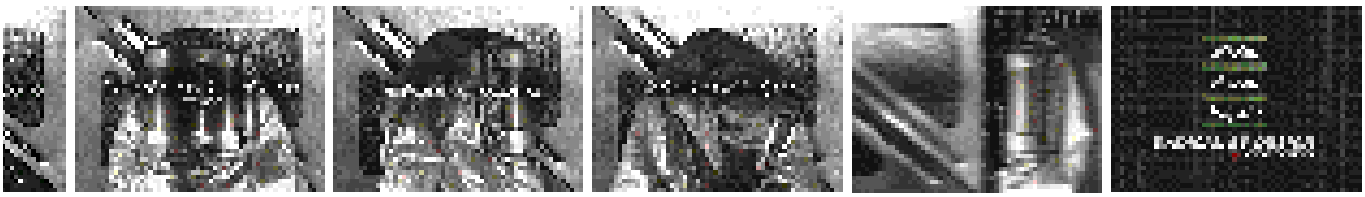
You can import multiple composition files, QuickTime movies, graphics, audio AIFF files into the Clip Editor.



In addition, our high-end character generator works directly from inside the Clip Editor, allowing you to quickly add titles and credits without having to create a separate composition.

Audio

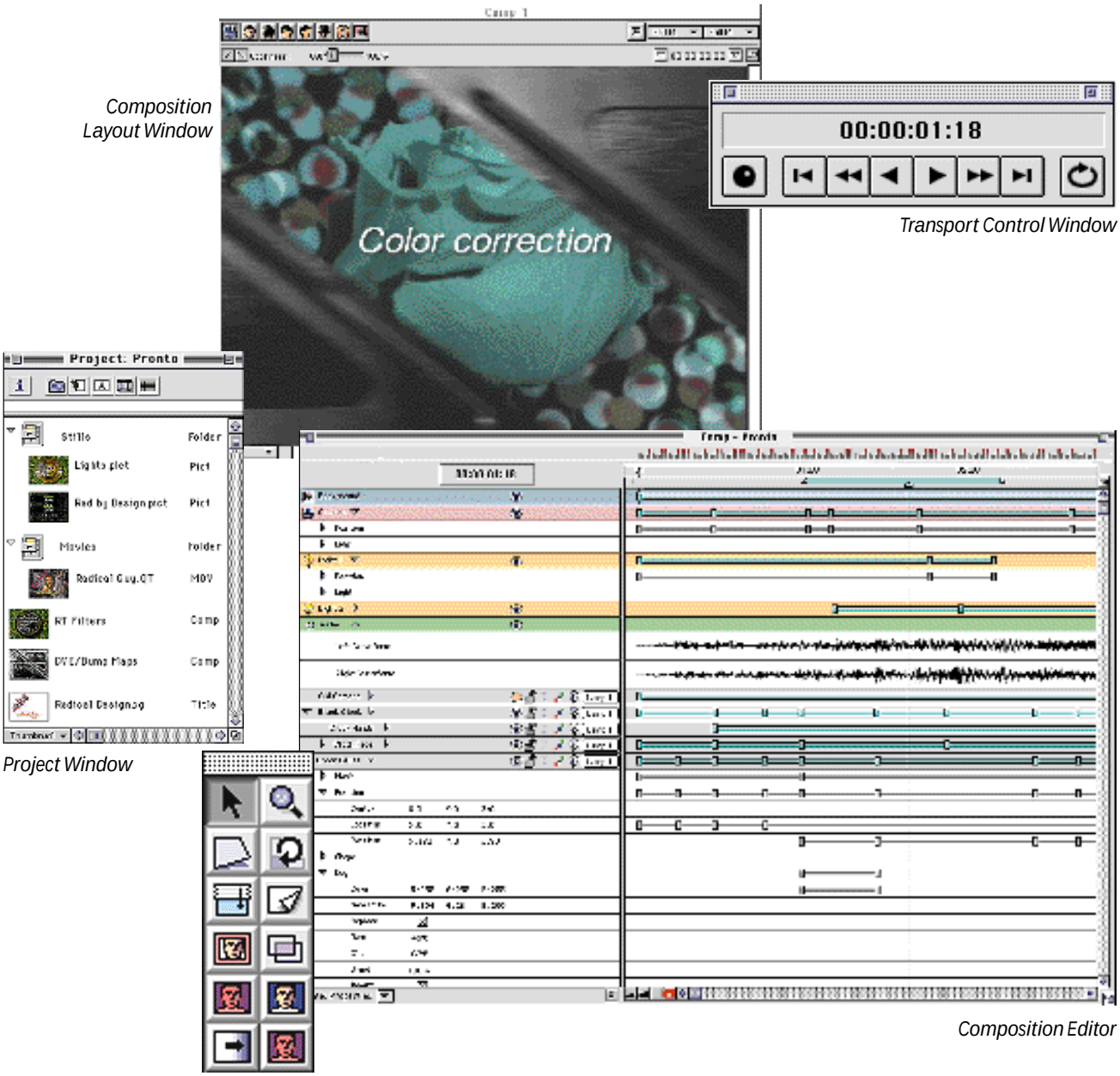
A single channel of stereo audio is supported from within the Composition Editor so you can easily animate your compositions to the underlying audio track. The Clip Editor also supports four channels of stereo audio to keep your final production sounding sweet.



Compositing

Central to the Effetto software application is the Composition Editor, a powerful keyframe-based time-line compositing interface. It incorporates all the different elements of your project, QuickTime video, graphics, and anti-aliased text from the CG module. It even includes an audio track so you can animate to the beat of the music. Assign bump maps, textures and lights to individual objects with a click of your mouse. We provide you with complete creative control over every parameter, and our sub-pixel interpolation makes your every move a smooth one.

We've provided lots of powerful ways for you to organize your tracks, you can open a composition from within a composition, you can group selected tracks and then collapse them — so they only take up one track. Once you have tracks grouped together you can make global moves that affect them all.



Composition Layout Window

Transport Control Window

Project Window

Composition Editor

Recommended System Configuration:

Apple Power Macintosh 8500 or above
Effetto • Pronto • Rapido
Truevision Targa 2000 RTX
High performance SCSI controller
Fast hard disk drive of desired capacity
32 MB system RAM
System 7.6
QuickTime 2.5

Minimum System Configuration:

Apple Power Macintosh with PCI slots
Effetto • Pronto
QuickTime video capture card
Hard disk drive of desired capacity
32 MB system RAM
System 7.6
QuickTime 2.5

Open Architecture

Works with all QuickTime compatible digital video cards and QuickTime software applications. Supports open platform third party over-the-top digital video busses from Truevision and Matrox.

I/O

Effetto • Pronto • Rapido works with hard disk based systems containing a QuickTime video capture I/O card. I/O on your video capture card determines output quality. Video is transferred across the PCI bus, or using the Rapido daughter card, across open platform over-the-top digital video busses from Truevision and Matrox. NTSC and PAL compatible.

Third party plug-in architecture

The Pronto PCI hardware accelerator card ships with an Effetto software plug-in, allowing the hardware to be used as an Effetto plug-in accelerator within Adobe Photoshop, Premiere, or After Effects. Also integrates with other third-party applications that accept Adobe plug-ins.
The Effetto software application is completely compatible with third-party software plug-ins for Adobe Photoshop, Premiere, or After Effects, such as KPT Final Effects from MetaTools and Boris Effects from Artel Software.

Developer API

Videonics Inc. firmly believes in open platforms on the desktop giving users complete integration of their hardware and software tools. A full Developer API is available to 3rd party developers allowing direct support

For More Information:

Main Phone number: 408-866-8300; Fax: 408-866-4859
Product and Dealer Information: 800-338-3348
Product Support: 408-370-9963
CompuServe: GO VIDEONICS, CompuServe ID 72662,3115
World Wide Web: http://www.videonics.com
Internet Mail: info@videonics.com

VIDEONICS®

1370 Dell Avenue • Campbell, CA 95008

© 1997 Videonics, Inc. Videonics logo is a registered trademark of Videonics, Inc. Effetto, Effetto Pronto, Rapido, Faster-than-Real-Time, Near-Real-Time, Recombinant Image Processing (RIP), and Cool Moves are trademarks of Videonics, Inc. PostScript is a registered trademark of Adobe Systems, Inc. QuickTime, Macintosh, and QuickDraw GX are registered trademarks of Apple Computer, Inc. All other trademarks are the property of their respective owners and are hereby acknowledged. Subject to change without notice.

3/25/97

MANL-0674-01