

**WORSHIP PRODUCTION • COMMUNITY & MUNICIPAL TELEVISION  
EDUCATION PROGRAMMING • CORPORATE BROADCASTING  
DISTANCE LEARNING • CONFERENCE PRESENTATION**



**Everything your organization needs  
to produce affordable, TV-quality  
broadcasts and video programs.\***

\*Just add lights,  
camera and action!



**LIVE 4 INPUT  
PRODUCTION SWITCHER**

**PROFESSIONAL  
TITLES AND GRAPHICS**

**CHROMAKEYER  
FOR VIRTUAL SETS**

**DUAL CHANNEL  
FRAMESTORE**

**OPTIONAL EDITOR/  
DUAL CHANNEL DDR**

# VTK 400

## VIDEO TOOL KIT

For too long, affordable  
**VTK400** offered

If the pen is mightier  
 to produce TV

### LIVE TOOL

The VTK400 Live Tool is a powerful digital switcher that meets the most demanding requirements for on-air broadcasting and live event production. The Live Tool integrates seamlessly with the Title and Paint Tools to provide high production value, including static and animated overlay and full frame graphics. Easy to learn and use. One person can make TV-quality video programming.

- Real time production switcher between 4 live inputs – no Frame Delay
- On-screen input monitors for each input
- Bin management for organizing effects, graphics and projects
- Effects library with user definable soft-edged wipes and transitions.
- Dual Channel FrameStore
- 4 Soft Buttons for cutting between FrameStores
- Ability to import various graphic formats including BMP, JPG, TIFF, PNG and others
- Matte Generator
- Graphics Alpha Channel for running lower thirds and side bars
- Color Correction for each input
- Vector Scope for measuring chroma and luma
- Optional Control Surface Panel



### CAMERA CONTROL

- Pan, Tilt, Zoom and Focus
- Multiple Presets
- White-balance and gain
- Color Correction



### VTR TRANSPORT

- Control Multiple Decks / DDRs
- Frame Accurate
- Playback, Record and Cue



### PROFESSIONAL CHROMAKEYER

- Multiple Camera Virtual Sets
- Chroma and Luma Settings
- Save out Settings



broadcast equipment brought with it a sacrifice in quality, features and reliability.

# rs both broadcast quality and affordability!

r than the sword and a picture is worth a thousand words, shouldn't the ability  
TV-quality video programming make you a world class communicator?

**Quality graphics improve the production value of video programming. The VTK400 provides two integrated professional tools for producing and using TV-quality static and animated graphics.**

## TITLE TOOL

The Title Tool is a vector based character generator with advanced features for creating broadcast quality graphics.

- On-screen user-interface for text layout and font typestyle editing
- An ability to import common graphic formats for textures, images, backgrounds and logos
- Free form layering and positioning of text and graphics
- The creation of smooth, sub-pixel variable-speed rolls and crawls
- Independent image and transparency maps for face, border, sides and shadows
- Complete integration with the Paint Tool so that project and work files can be easily moved



## PAINT TOOL

Paint is an object oriented, animation and compositing system that allows the user to produce high end, animated and moving graphics and overlays.

- Paint directly onto live video with variable transparency and real-time anti-aliasing
- Vector drawing tools including geometry, free-hand and soft airbrushes
- Extensive control over stroke properties such as transparency, edges and shadows
- Unlimited undo and redo of any stroke, color or other setting
- Ability to animate all strokes over time with on-screen and time-line control
- Ability to save layers and strokes to make animation templates



## OPTIONAL NLE/DDR

When Live, this tool is an onboard DDR:

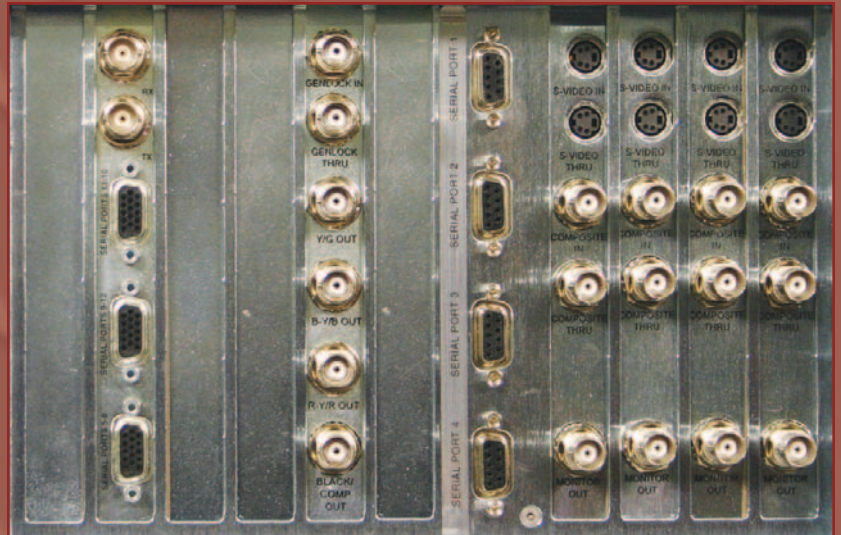
- 2 Channels of video (Play and Record)
- Cut or transition between clips
- Capture program as it happens / ready to edit
- Use this feature to play show openings and lead-ins
- Complete integration with the Paint Tool so that project and work files can be easily moved

After the show, a full Non-Linear Edit Suite:

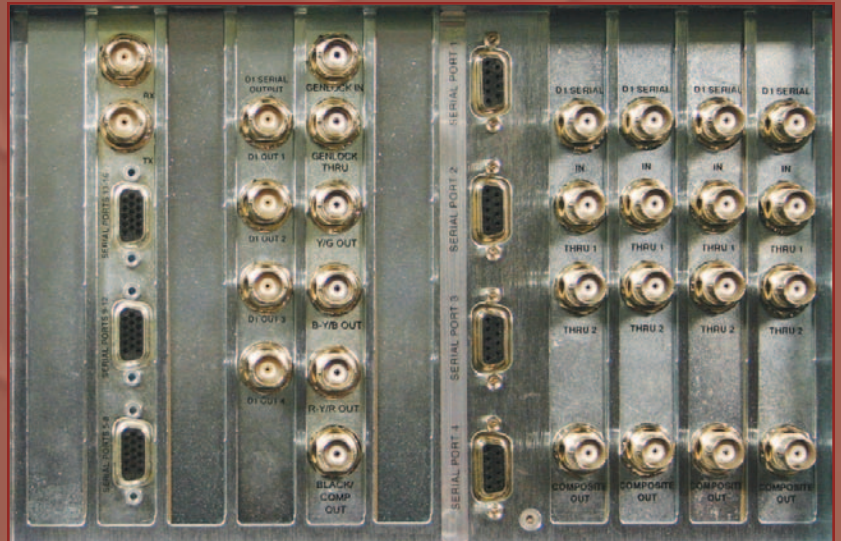
- Hardware Accelerated, Real-time editor – no render time
- Allows for RS422 deck control for up to 4 devices
- Multiple Video, Graphics, and Audio Tracks
- Includes timeline flattening feature for increased capability

# HOST PC INCLUDED

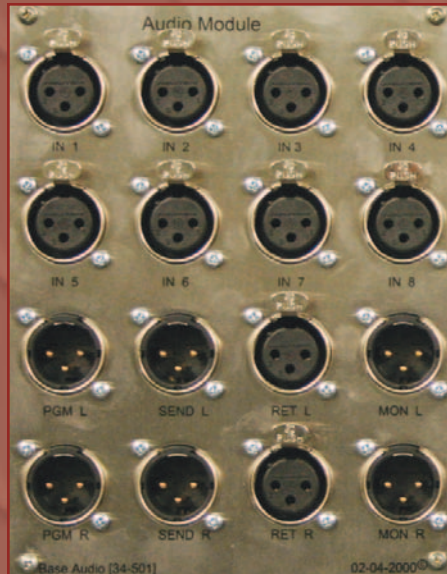
- P4 Processor (or better)
- 256k or RAM (or better)
- 40 gig Hard Drive (or better)
- Keyboard & Mouse
- CD ROM
- 15" Flat Panel Monitor



## ANALOG



## DIGITAL



## OPTIONAL AUDIO MODULE

## TECHNICAL SPECIFICATIONS

Video Standards: NTSC, PAL, SECAM

Sampling Format: CIRR-601, 4:2:2 (D1)

### Pixel Resolution

NTSC: 720 x 480

PAL: 720 x 576

Power Requirements: 200 Watts

### Timing Requirement

Analog Inputs: Full Frame Synchronized

Digital Inputs: Black burst (Provided)

Size: 17"W x 10.5"H x 24"D

Rack Height: 6 Units

Weight: Approximately 40 lbs.

Environment Temp.: 15° – 40° C / 59° – 90° F

Warranty: 90 Days (Extended Warranty Available)

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