

# Mindset Video Production System

## Specifications

### Video Production System

- Video input: any NTSC standard signal from:
  - 1/2, 3/4, and 1-inch videotape (consumer and broadcast grade)
  - laser disk
  - TV broadcast
  - video camera
  - other Mindset Personal computer
- Video output: E.I.A. RS-170, 75-ohm impedance
- Genlock lock-in range: 300Hz (minimum)
- Fade control through hardware or software

### Mindset Personal Computer System Unit

- Built-in video interfaces: RGB and composite monitor and color or black and white TV RF
- Synthesized audio output
- Display screen modes:
  - mixing of keyed video (composite with composite)
  - superimposition of keyed video (RGB on composite)
- Resolution:
  - 640 by 400 2-color interlaced
  - 320 by 200 16-color non-interlaced
- Input: Keyboard  
Mindset Mouse  
Graphics Tablet  
Mindset Joystick
- Output: RS-232-C  
Parallel printers  
Modems  
Stereo sound

For further information on the Mindset Video Production System, call or write:

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MINDSET

Video Production System

**GREAT GRAPHICS + CLEAN GENLOCK =**

A New Price/Performance Standard for Video Professionals



## THE SYSTEM

A few machines can genlock. But only the Mindset Video Production System can genlock Mindset color graphics – the best in microcomputers – to any standard NTSC video source, including both broadcast and consumer 1/2-inch videotape.

### Only Mindset

combines sophisticated yet easy-to-use graphics software with a powerful, lightning-fast graphics engine. The result? Genlocking performance that's nothing short of spectacular. Instantaneous display of computer-generated text and graphics. Super-smooth scrolling. Real-time animation. And more, much more.

### Genlock two ways

with the Mindset Video Production System. *Integrate* composite computer graphics with a composite source video signal – this approach gives you fade control over the graphics images and allows you to record the resulting mixture. Or *overlay* a composite source video signal with RGB computer graphics for razor-sharp clarity.

### Power, versatility, and price

come together in the Mindset Video Production System. It offers virtually all the functions and capabilities of \$50,000 systems for less than one-tenth the price.

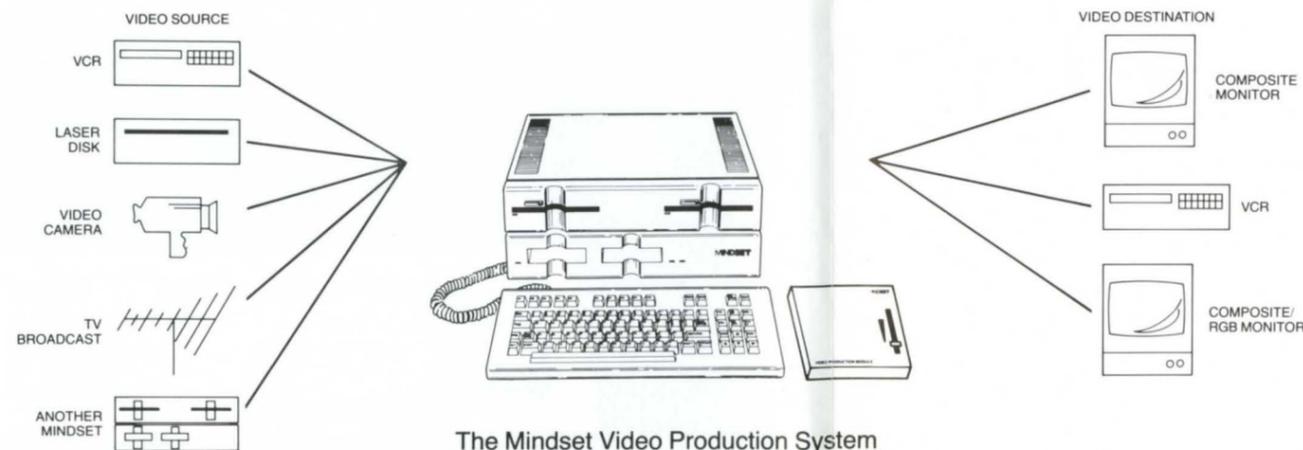
### It's the cost-effective solution

for corporate and industrial graphics studios, training centers, sales and marketing departments, retailers, educators and communicators, video professionals and demanding videophiles, even small-scale broadcasters.

At the heart of the Video Production System, the revolutionary Mindset Personal Computer. A new microcomputer architecture, based on custom graphics and video display coprocessors. Unprecedented speed and performance in the creation of designs and fine art, dazzling presentation graphics and custom fonts, detailed animation. And IBM PC compatibility for running today's most popular productivity software.

- *Mindset System Unit, specially adapted for the Video Production System.* 16-bit Intel 80186 central processor. Mindset's exclusive custom VLSI graphics and video display coprocessors. 32K-byte frame buffer, 32K bytes system RAM. Built-in interface to RGB, composite, and TV RF. Dual cartridge ports, each with 128K bytes ROM space. 3 I/O expansion ports for RS-232-C and hard disk interface, graphics tablet, and more. 84-key detached keyboard with connectors for Mindset Mouse and Joystick. IBM PC-compatible.

- *Mindset Expansion Unit II (optional).* Dual 360K bytes floppy disk drives. 224K bytes RAM – 256K total with System Unit. Operating system: Mindset MS-DOS. 3 additional I/O expansion ports.
- *Mindset Video Production Module.* RCA connectors for video input and output. 9-pin D subminiature external sync connector. Fade control lever – fade also controllable through software.



The Mindset Video Production System

## THE SOFTWARE

Already rich and still growing, the Mindset software line gives computer and video artists the power to create and genlock fine art, bold and sophisticated designs, and custom fonts. Mindset also offers a set of powerful development tools for the experienced programmer or video technician who wants to create original software for the Video Production System.

### A Variety of Graphics Creation Programs

**Lumena** opens up a fully-equipped computer graphics studio with 157 commands, all logically organized into 23 menus. Hundreds of colors (up to 512 in composite mode), with 16 available onscreen at any one time. Lumena tools and techniques include –

- variable pen and brush sizes, custom brushes, and multicolor airbrushes
- 4-way symmetry
- selective erasing, changing and gradation of colors
- the ability to shift perspective and move, duplicate, rotate, and scale images

**Lumena Fonts** creates custom fonts in any size. Generate characters in hundreds of colors, at any angle, fully or partially shadowed. Add sophisticated titles to your graphics and video images, or create information screens of stunning visual impact.

**Lumena Animation** brings the speed and power of real-time animation to an affordable videographics system for the first time. Create cells that can be stored and used over and over again, and manipulate Lumena-generated graphics with speed and simplicity.

**Designer**, the paint program for professionals, offers a powerful array of built-in tools, including 10 versatile brushes, 28 colorful strokes, 30 rich patterns. Or create your own custom tools. Add titles and other text to your graphics creations with any of Designer's 6 built-in fonts.

**4-Point Graphics Plus** turns presentation graphics into *performance* graphics. Record your 4-Point graphics as you create them, then combine and play them back as self-running animated demonstrations. Imagine the double impact of a 4-Point demonstration running smoothly and simultaneously over your video program.

### Plus a Video Editing Tool for Genlocking Your Mindset Graphics –

**Mindset Video Producer**, an easy-to-use, menu-driven utility program, enables you to sequence up to 5 full-screen graphic images, then manipulate them with a variety of scrolling, fading, and "pop-up" techniques.

### Program Development Tools

For the developer or multiple-system user who wants to create custom genlocking software, Mindset offers three packages to aid in the creation of original programming:

- **ISV Tool Kit**, which gives programmers access to the Mindset graphics ROM BIOS from higher-level languages such as C and Pascal, an interactive drawing tool, and additional subroutines for reading and writing graphics display files.
- **Programmer's Development Library**, which includes an *MS-DOS Programmer's Reference Manual*, *Macro Assembler* and manual, and *Software Developers Guide*.
- **Mindset GW-BASIC**, specially enhanced to take advantage of Mindset's graphics and animation capabilities.