

ADO™ 3000 DIGITAL EFFECTS SYSTEM

General

The ADO 3000 digital effects system is the most versatile creative tool a post-production facility can have. It combines superior picture quality and ease-of-use with the award-winning effects your customers demand.

The system can be expanded to include up to four channels of video and eight control panels. Powerful options like the ADO Concentrator with the Infinity™ effects package can be added to give your system capability unmatched in the industry. And all options and upgrades can be installed at your own facility.

The ADO 3000 system is designed to be an integral part of a complete production facility, so it

interfaces easily with your existing equipment.

Input and output options are available for all signal standards, including Component analog and CCIR-601 digital formats. A SMPTE RS-422 serial editor port lets you run effects from the control panel of serial editors like the Ampex ACE™ editor. And the transparent picture quality makes the ADO 3000 system an ideal video "touch up" tool.

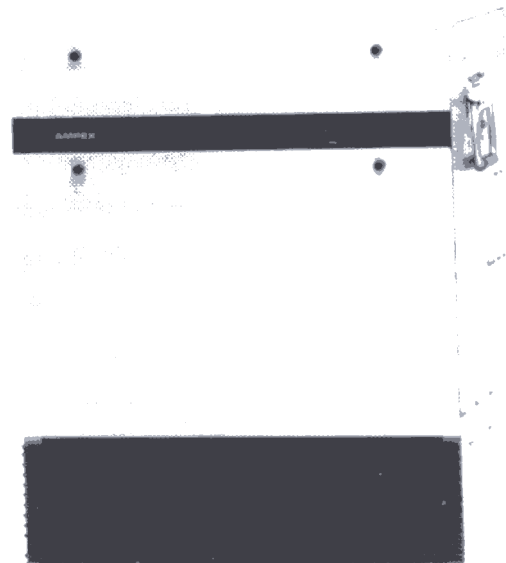
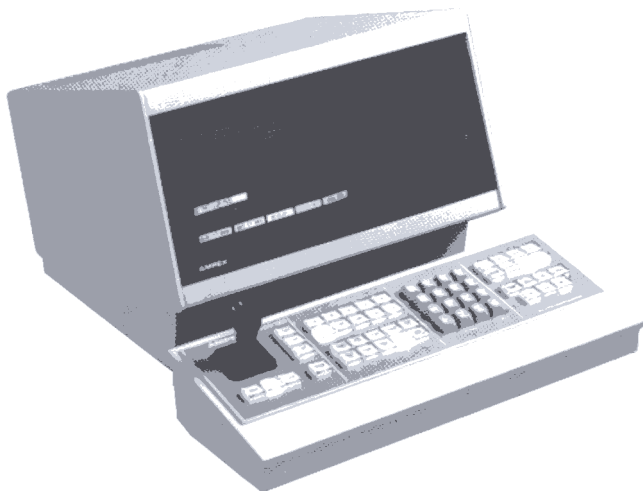
Superior computing power (up to 526 million computations per second) give the ADO 3000 model control flexibility unavailable on other systems.

Keyframe information can be monitored in two ways: *all* the

parameters for a given keyframe, or a single parameter across *all* the keyframes. This display gives you a comprehensive picture of your effects, and how they're created.

Versatile "keyframe flags" acts as switches; they can turn any variable within an effect on or off at any time during the effect.

The system's frame-based processing and unique engineering features like separable architecture, eight-point digital filtering, 64-point spatial interpolation, adaptive comb filtering and chroma signal pre-decimation all contribute to the finest picture quality in the industry.



Features and Effects

- Frame-Based Processing for Highest Possible Performance
- A/B Video Inputs
- Continuously Variable Compression and Expansion
- True 3D Rotation and Perspective
- Digi-Matte™ Key Processing
- Variable Aspect Ratio
- Horizontal and Vertical Mirrors
- GPI Control Input
- Independent Picture and Key Cropping
- Highly Adjustable Mosaics
- Posterization and Solarization
- Luma and Chroma Reversal
- Picture Blur
- Field or Frame Freeze
- Adjustable Soft Key Border Edges
- Color Border Generator
- Multi-Panel, Multi-Channel Software
- Logical Keyframe Programming
- Straightforward Numerical Programming
- Comprehensive CRT Display
- Channel Identification
- Global Motion Control
- Auto Cube Mode
- Selectable Motion Types
- Forward/Reverse Run Modes
- Alphanumeric Effect Storage
- Disk Copy Function
- Serial Editor Interface

Optional Features and Effects

- Digital Concentrator for Mixing/Keying in Digital Domain
- Infinity™ Special Effects Package for Concentrator
- Component Analog (RGB, YUV) Kit
- SMPTE/EBU CCIR-601 Digital Interface
- Up to Eight Control Panels
- Up to Four Signal Systems

Specifications

PERFORMANCE

Luminance frequency response: NTSC ± 0.5 dB to 4.2 MHz; +0.5 -1.0 dB to 5.0 MHz
PAL ± 0.5 dB to 4.5 MHz; +0.5 - dB to 5.0 MHz

Input video level range: +2 dB

DIGITAL SIGNAL SAMPLING

Luminance sampling rate: 13.5 MHz

SIGNAL SYSTEM INTERCONNECTS

Video Inputs: Two, BNC 75 Ohm, 1 Volt, Composite, Analog Encoded
Key Inputs: Two, BNC 75 Ohm, Composite or Non-Composite, Analog Encoded (white or black in key hole)
Video Outputs: Two, BNC 75 Ohm, 1 Volt, Composite, Analog Encoded
Digital Signal Data: To Concentrator: Balanced ECL Digital Data, 15 feet max, multi-wire cable supplied with Concentrator
Digital Control Data: RS-422, 4-wire plus shield, 9-pin 'D' Connector Communication line. Remoteable 2000 ft. (600 meters between control panel and signal system)

CONTROL SYSTEM

Detachable keyboard with 3-axis joystick
9-inch CRT for data display
Mini-floppy disk drive for effect archiving
Remote data display output (non-synchronous)
GPI Trigger Input
Serial Control—ACE Interface

POWER CONSUMPTION

110-120 VAC, 60 Hz or 220-240, 50 Hz—single phase

Signal System: 1700W

Control System: 100 W

PHYSICAL

Signal System Chassis:

Dimensions: 22.72" (58 cm) H x 17.5" (44.5 cm) W x 22" (55.9 cm) D
Weight: 200 lb (90 kg.)

Can be mounted in 19" equipment rack or free-standing as a tabletop unit

Control System:

Monitor Housing contains 9" CRT and mini-floppy disk drive
Dimensions: 11.75" (30 cm) H x 15.25" (39 cm) W x 14.5" (37 cm) D
Weight: 30 lb (13.5 kg.)

Keyboard:

Dimensions: 3.25" (8 cm) H x 15.25" (39 cm) W x 7.75" (20 cm) D
Weight: 8 lb (3.6 kg.)

Specifications subject to change without notice or obligation.

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