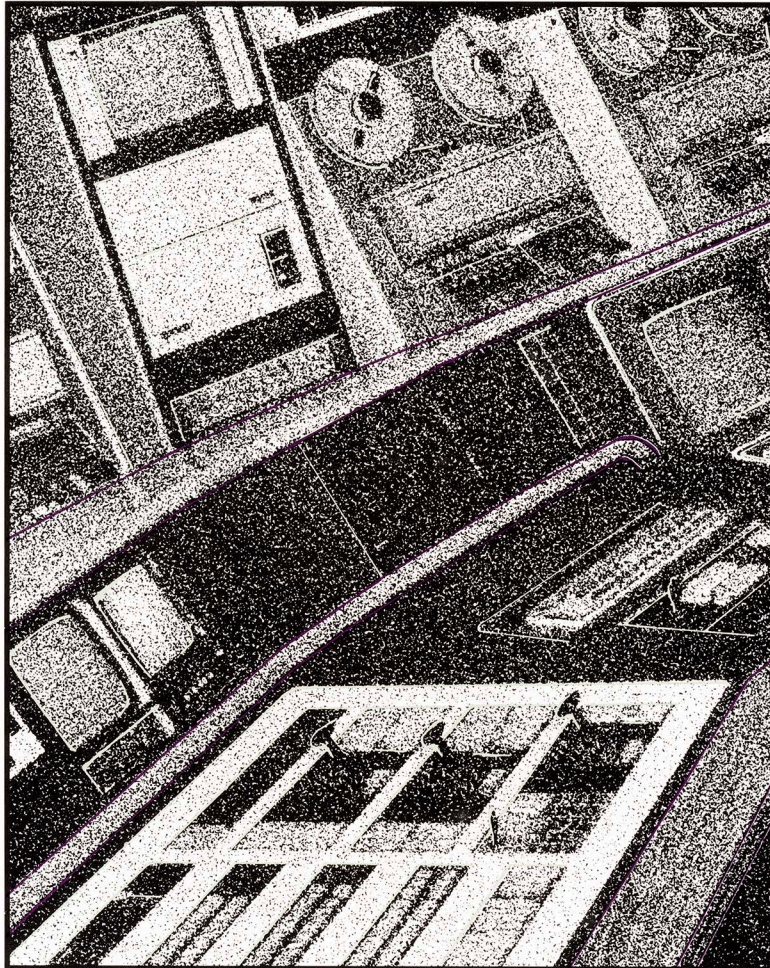


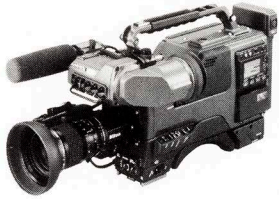
# COMPLETE SYSTEMS SOLUTIONS

SYSTEMS • PRODUCTS • SERVICES



**AMPEX**

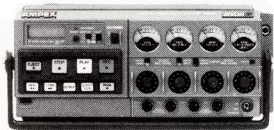
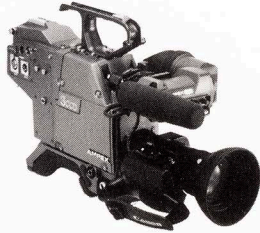
# BETACAM SP



**Camera-Recorder Systems.** New CVR-400 one-piece camcorder features high-resolution FIT sensor for superb picture quality in the most demanding EFP applications. CVR-300 with IT sensor fits many EFP and high-end ENG applica-

tions at attractive cost. Rugged CVR-200 camcorder is ideal for the "run and shoot" demands of ENG.

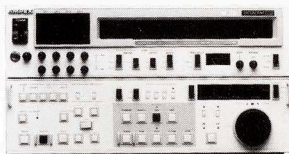
**Cameras.** CVC-70 camera features anti-smear CCD imager, excellent for high-contrast or night-time shooting. CVC-7, and CVC-50 CCD cameras round out full line with range of price/performance choices. Fitted with one of several adaptors, can be used with docking Betacam SP recorders, separate field or studio recorders. CCU-350 and CCU-355 camera control units available for remote control configurations.



**Portable VTRs.** CVR-35 is a rugged portable recorder for ENG and EFP acquisition. Studio quality video and audio in Betacam and Betacam SP. Confidence and

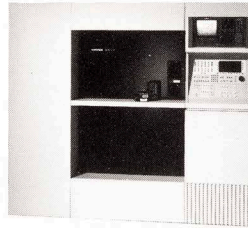
full-color playback, plus four audio channels. CVR-5, with similar performance features, doubles as docking recorder for camcorder systems or as stand-alone recorder. CVR-21 portable player is power-efficient, easy to operate. Only 17 lb (7.7 kg) with battery and cassette.

**Studio VTRs.** CVR-75 combines Betacam SP performance with AST™ automatic tracking and dynamic motion control. Full-featured, flexible editing system. Built-in TBC. Studio-quality audio performance. Accommodates 90-minute (100 minutes in PAL) cassettes. CVR-70 is essentially the same recorder without AST automatic tracking. CVR-65 studio player includes AST automatic tracking, dynamic motion control, viewable pictures in shuttle, built-in TBC and time code reader. Versatile editing interfaces with CVR-75 or Ampex ACE editors. CVR-60 is essentially same machine without AST automatic tracking. CVR-22 is low-cost, easy-to-use playback machine. Compact, lightweight, rack-mountable. Accepts both large and small Betacam oxide and metal particle cassettes. Four high-quality audio channels.



**Accessories.** Ampex provides a full line of Betacam and Betacam SP options and accessories.

# AUTOMATED RECORDERS



**ACR-225.** Automated cassette recorder/player features high reliability and operational flexibility. Uses D2 Composite Digital format. Accesses 256 cassettes, each with 32-minute record time. Can continuously play 7-second

recordings back-to-back. Extensive computer and machine interfaces.

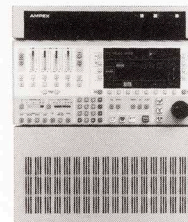
# VTR CONTROL DEVICES



**VRC-2.** Video Recorder Controller for Ampex Type C and Betacam/Betacam SP VTRs. SMPTE serial remote control. Simple 2-machine VTR editing. Can gang roll up to four VTRs for convenient dubbing.

**SMC-200.** Slow motion controller for VTRs of all formats from Ampex and other manufacturers. Multiple cue selection memory as well as continuous and reverse motion control. Can be used with VRC-2 or ACE editor.

# STUDIO RECORDERS



**VPR-300 Series.** D2 recorders for the most demanding applications feature unsurpassed digital video and audio quality, superior multi-gen performance. Gentle, fast, precise cassette and tape handling. VPR-300 accepts all three standard D-2 cassette sizes including 208-minutes. VPR-350 accepts 32- and 94-minute cassettes.

**VPR-200 Series.** Newest Ampex D2 composite digital VTRs are designed for applications typical of broadcasting. Share rugged transport, exceptional signal system of other Ampex D2 VTRs. Unique, very logical control panel for easy operation. Compatible with existing composite analog facilities. VPR-200 accepts all three standard D-2 cassette sizes including 208-minutes. VPR-250 accepts 32- and 94-minute cassettes.

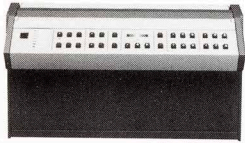
**VPR-3.** Technology and productivity leader in Type C VTRs. Extremely fast, precise, yet gentle tape handling. Turbo Animation and Status At A Glance™ display features. Multi-Gen Setup with Zeus™ video processor extends Type C generation performance.





**VPR-6.** Price-performance leader in Type C VTRs. Combines machine performance with ease of operation and maintenance. Status At A Glance control interface simplifies machine operation. Multi-Gen Setup with Zeus video processor enhances generation performance.

**VPR-80.** C-format performance at a price competitive with 3/4" and 1/2" studio recorders. Ideal for record, playback, duplication and interformat editing operations. Status At A Glance display system makes operation easy.



**Zeus.**™ Advanced video processor redefines time base correction for all Ampex Type C studio VTRs. Excellent velocity compensation, dropout compensation,

and exclusive Multi-Gen Setup function (with VPR-3 or -6). Decode mode corrects non-color framed edits. Bounce- and blur-free variable speed playback and full frame store capability.

**TBC-7.** Extended performance TBC provides many benefits of Zeus processor in a more affordable unit. No-bounce, no-blur time compression/expansion. Non-color-framed edit correction.



## GRAPHICS



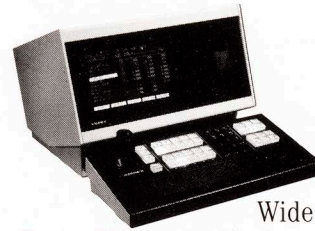
**ALEX.**™ Powerful character generator offers all standard capabilities *plus* virtually unlimited manipulation and animation of characters and symbols. 256 levels of both anti-aliasing and transparency; 4.6 nsec effective character resolution. One- or two-channel configurations (single or dual user). Composite or component analog and component digital I/O options.

256 levels of both anti-aliasing and transparency; 4.6 nsec effective character resolution. One- or two-channel configurations (single or dual user). Composite or component analog and component digital I/O options.

**ESS-5 Series.** ESS-5 is a two-channel single-user image store and recall system. Compact size, internal 160 Mbyte disk drive with optional tape streamer or optical disk for archiving. Upgradeable to ESS-5G with graphics compose capability, online cataloging and list management functions. ESS-5S is single-channel, single-user system, can be upgraded with graphics capability. CCIR-601 digital and analog component I/O are optional on all systems. ESS-5T is especially designed for telecine applications.



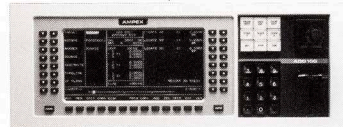
## SPECIAL EFFECTS



**ADO® 3000.** Sophisticated special effects system is industry standard worldwide. One- to four-channel systems, user configurable.

Wide variety of standard and optional effects. Unsurpassed picture quality and smoothness of image motion.

**ADO 2000.** Provides ultimate picture quality at an affordable price. Thirty on-line, pre-programmed effects can be activated by one or two keystrokes. Can be interfaced to and controlled from Century switchers and ACE editors. Upgradeable to ADO 3000.



**ADO 100.** Newest member of ADO family offers wide range of high-quality ADO 2D and 3D effects at

remarkably low price. One- and two-channel systems. Full integration with Vista switchers — including operation from switcher control panel — and with ACE 25 editor. Online and offline effects storage.

**ADO Concentrator.** Optional device for ADO 3000 systems combines up to four channels in digital domain. Smooth digital keying, auto or manual priority. Infinity™ package (standard) allows images to pass through one another. Includes two target framestores for multi-freeze, swirls, trails and sparkles.

**ADO Combiner.** For use with ADO 2000 system. Combines video signals in digital domain. Auto or manual priority. Available in two- and four-channel configurations.

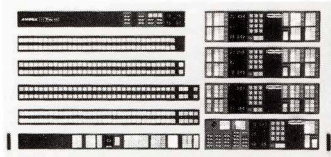
**ADO 3D Keyer.** Option for ADO 2000 Combiner allows true intersecting planes. Fully supports Digimatte and Digi-Trail for intersection of irregular and complex layered images. Available in two- and four-channel configurations.

**ADO Digimatte™ Key Processor.** Eliminates need for multiple channels or matte reels. Provides precisely aligned key output and video output signals to external keyer in Combiner, Concentrator or switcher.

**ADO Digi-Trail™ Target Framestore.** Economical, optional kit for ADO 2000. Creates trails, sparkles, "smear" motion. "Composite layer" mode for multi-freeze effects. "Reveal" mode for innovative, animated effects.

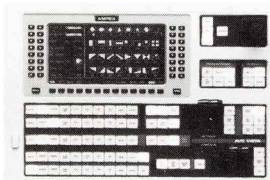
**ADO Digital Interface.** Optional, free-standing accessory provides SMPTE/EBU CCIR-601 inputs and outputs. Allows use with component digital graphics systems and tape transports.

# SWITCHERS



**Century Series.** Most advanced Ampex production switcher. Unsurpassed keying power, quality and flexibility. Very large memory capacity allows operator to manipulate, memorize and recall functions quickly and easily. Two or three M/Es with 16 or 32 inputs.

**Audio System.** Fifteen stereo inputs plus silent, capable of operation with any AVC Series switcher and/or with an editor in post-production applications. Optional remote panel allows use as independent, self-contained, standalone audio system.



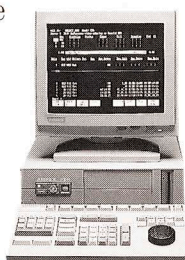
**Vista™ Series.** Powerful family of compact switchers for demanding applications. Ten or 18-inputs, composite or component analog versions with extensive input and output configurability. Control panel features electro-luminescent display that provides status, pattern adjust, memory control and alternative user interface functions. Operation of new ADO 100 system available from Vista, using Digi-Loop feature and screen display.

**Options & Accessories:** Spectrakey™ chroma nulling RGB chroma keyer; auxiliary bus control system; X-STAR™ dual disk memory system; AVC-ADO interface; quad bus system; system status display output; analog key border generator and encoded chroma keyers; clock/timer/safe area display.

# EDITING



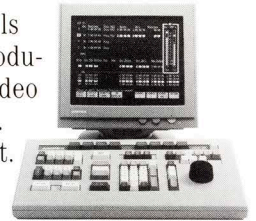
**ACE™ 10.** New A/B-roll editor for more cost-conscious users offers unparalleled performance in its price range. Modular system with human interface designed for fast, precise yet easy operation. Controls up to three VTRs and a switcher. Four GPIs. User-definable displays and innovative transport display graphics are easy to understand.



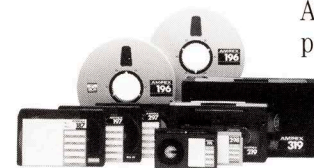
**ACE™ 200.** Powerful editor controls up to 16 VTRs and/or ATRs, Zeus advanced video processors, Ampex switchers, ADO special effects systems, up to 20 GPIs, equipment from other manufacturers. Versatile, modular, upgradeable, with choice of human interfaces.

**ACE Micro™.** Affordable yet powerful editor controls one switcher, four VTRs and/or ATRs, up to four GPIs. Ideal for broadcast, industrial, interformat and second suite applications.

**ACE™ 25.** Low-cost editor controls up to four VTRs and three GPIs. Modular system with optional internal video and audio switchers. 1000-line EDL. Auto-assembly and list management. High-resolution data monitor, dedicated keyboard with multi-function rotary knob.



# MAGNETIC TAPE



Ampex offers a complete line of professional video and audio tape for all broadcast and production/post-production applications. Products are available for digital and analog recorders from Ampex and other manufacturers. More information is available from any Ampex sales office.

# CUSTOMER SERVICES

**Field Service.** Ampex field service engineers are available worldwide at all Ampex sales offices.

**Technical Support.** Highly trained technical personnel provide knowledgeable support for all Ampex video products.

**Spare Parts.** Shipped by fastest means available locally, worldwide, one-year warranty. Spare kits also available.

**Board Exchange.** Fully guaranteed, factory remanufactured printed wiring assemblies available by fastest means locally.

**Rebuilt Heads & Scanners.** Factory-rebuilt Type C scanners and quad heads ensure optimum performance, prolong equipment life.

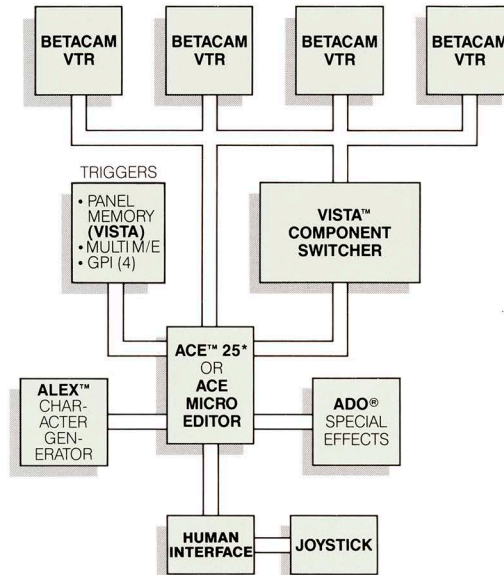
**Alignment Tapes.** Precision tapes simplify maintenance and optimize performance. For Type C and quad VTRs, audio recorders.

**Factory Systems Integration.** Optional service for purchasers of complete Ampex systems ensures smooth installation and operation.

**Training.** Maintenance and operations training available at Ampex or customer facilities. Classroom and self-instruction courses.

# COMPONENT SUITE

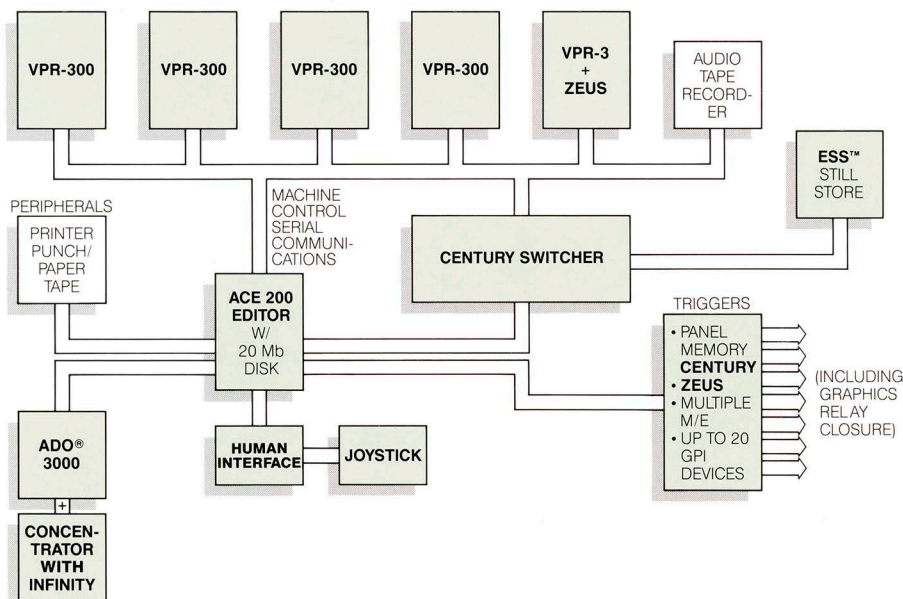
Ampex offers a variety of its products in component analog video (CAV) versions to fit a range of applications and budgets. Users who want to realize the benefits of component editing now have the added advantage of a single source for major system components.



\* ACE 25 OPTIONS INCLUDE INTERNAL COMPONENT SWITCHER

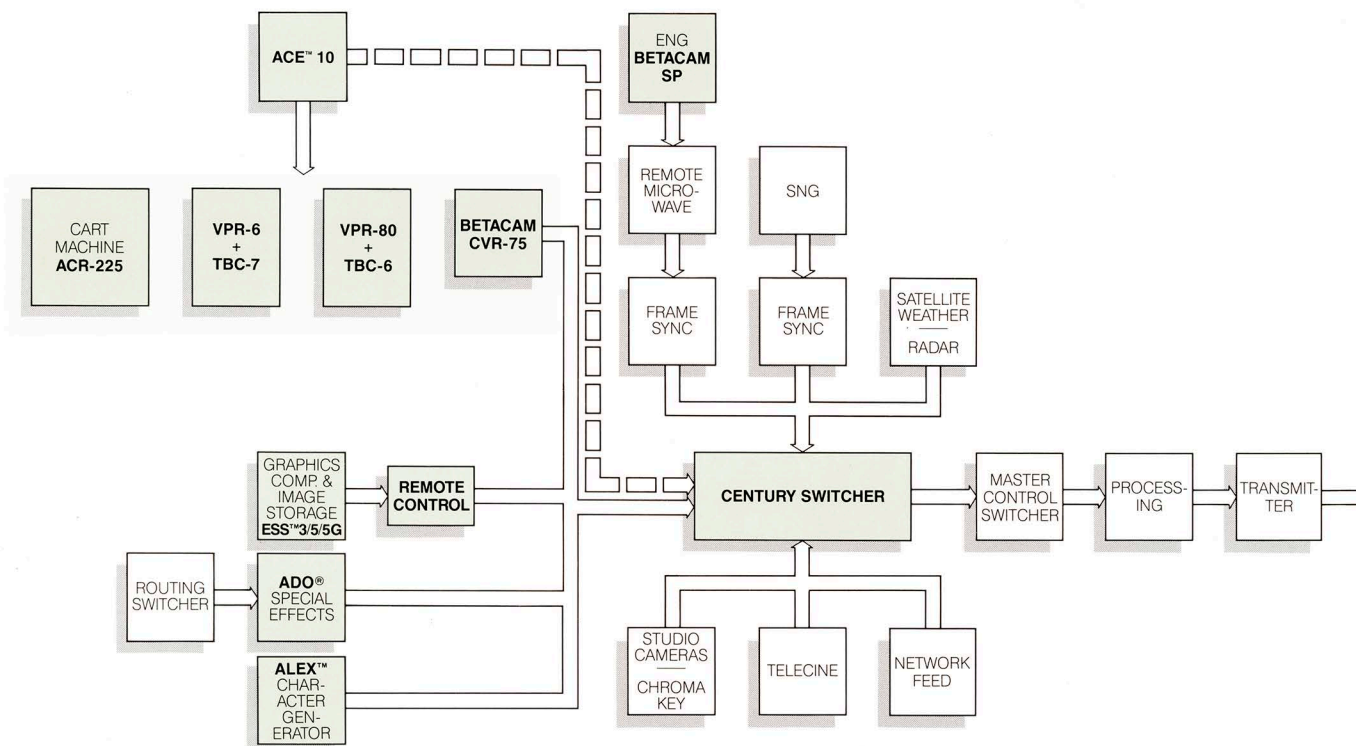
# CREATIVE COMMAND CENTER

Available in many configurations, Creative Command Centers from Ampex contain the major components of a fully integrated post-production system. Ampex system design assures a smoothly functioning, efficient operation. Specific command center equipment can be customized to suit user applications and budgets. Single source assures hardware and software compatibility, intelligent interfaces, efficient upgradability, prompt service.



# NEWS CONTROL CENTER

Ampex switchers, graphics and ADO® systems help get complex, fast-paced news programs on-air, on-time. Ampex Betacam and Betacam SP VTRs and cameras are ideal for demanding ENG/EFP applications. Ampex VTRs and ACE editors provide reliable online and offline support.



In the U.S., for more detailed information on all Ampex professional video products, call 1-800-25AMPEX (1-800-252-6739). In other countries, call your Ampex regional sales office.

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