



ORDERING GUIDE
SWITCHERS TAB

ASWR8150 COMPONENT DIGITAL SWITCHER

SWITCHER SYSTEMS

The 8150 is a high performance Component Digital Production Switcher that has both a Mix/Effects and Program/Preset bus. The system supports up to 16 inputs, which can be mixed between Component Serial Digital, Component Parallel Digital, Component Analog, and Composite Analog. The DVE option adds a twin channel Digital Effects system based on Dveous™ technologies with UltraWarp™ non-linear effects, SuperShadow™ and SurfaceFX™ light source and textures.

ASWR8150

ASWR8150 SYSTEM (WITH CONTROL PANEL)

ASWR8150 Component Digital Production Switcher, including the following standard equipment:

- Three µLine Keyers with Dual Patch Chroma Key
- Three mBoss™ Border Generators
- Control Panel with internal floppy disk drive
- 33' Control Panel Cable is included UNLESS other cable length is ordered
- Serial Digital Preview and Program outputs
- TimeFrame™ Effects Editor
- Advanced wipe generator with advanced SuperMatte capabilities
- Two 10 bit Component Serial Digital Aux Bus Outputs
- Extended Memory for up to 100 online timeline effects
- Hard Disk Drive to save Effects, Timelines, Personality files, Engineering Files, and Video Stills (8150-DFS required for video still storage)
- Frame Delay output board for switchable 34 line/1 frame outputs
- Operations Manual and Technical Guide

8150-UPG

UPGRADE ASWR8100 SYSTEM TO ASWR8150

Complete upgrade of ASWR8100 system to ASWR8150. Includes updates to chassis, switcher board, and a new higher capacity power supply. Does NOT include the DVE option.

Note: You must schedule the upgrade through customer service.

VIDEO I/O**8150-DSD****DUAL SERIAL DIGITAL INPUT MODULE**

Two 10 bit Component Serial Digital video or key inputs with -1/+2 line input autotiming. Each input can be switched between input video and internal matte.

8150-DCA**DUAL COMPONENT ANALOG INPUT MODULE**

Two 8 bit autotiming Component Analog video or key inputs with -1/+2 line input autotiming. Video format can be independently switched between RGB with or without setup and Y,R-Y,B-Y for each input. Supports Beta, SMPTE, and MII. If video on input 2 does not have sync available, it can be “slaved” to input one.

8150-CMPST**10 BIT COMPOSITE ANALOG INPUT MODULE**

Single 10 bit Composite Video input with Key.

- Switchable PAL or NTSC video formats
- Loop through (non-terminating) inputs for both video and key
- -2/+1 line input autotiming range with manual timing adjustments and level controls for both video and key
- High quality decoding with Video, Graphic, Comb, and Notch Filter Decode modes

8150-AUX1**AUX BUS OUTPUTS #1 AND 2**

Two 10 bit Component Serial Digital Aux Bus Outputs.

Note: Any system built after April 1997 has Aux Bus outputs #1 & 2 included as standard equipment.

8150-AUX2**AUX BUS OUTPUTS #3 AND 4**

Second pair of Component Serial Digital Aux Bus outputs. If the 8150-DVE option is installed, Aux bus outputs 3 and 4 are SHARED with the texture feeds to the internal DVE board.

Note: This module requires one input module space, reducing the maximum number of inputs to 14.

ENHANCEMENTS**8150-DVE****DIGITAL VIDEO EFFECTS OPTION**

A 10 bit, Frame based Twin Channel DVE Based on Dveous™ Technology.

- Twin channels can be used as dual video, or video plus key with full bandwidth SuperShadow™
- SurfaceFX™ Light Source and Textures. Spot, Bar, and Flood light shapes. Textures can come from any live video or framestore source
- UltraWarp™ non linear effects on each channel
- Global Channel with nested source and target spaces
- Mosaics, Multipictures, border, crop, and corner pinning
- Effects transitions using Ultamix™ interface

Note: This option does NOT require Aux bus options to be installed. Aux outputs 1 and 2 are independent feeds, but if Aux 3 and 4 are installed, their sources are shared with the DVE texture input sources.

8150-CCR**RETOUCH™ COLOR CORRECTOR OPTION**

- Seven independent color correctors (Key 1, Key 2, DSK, M/E Background A, M/E Background B, Program, and Preset)
- RGB or YUV Color Space Operation
- Independent White Balance, Black Balance, Gamma, Knee, Black Clip, and White Clip on each color component
- Proc Amp controls include Hue Rotation, Gain, Offset, and Saturation
- Special Effects include Solarization, Posterization, Luma Tinting, False Coloring, and Invert Gain
- Source based or bus based operation
- Key1, Key 2 and DSK will color correct wideband video (4:4:4) with the 4:4:4 Chroma Key option

8150-DFS**DUAL FRAMESTORE OPTION**

- Two full bandwidth Framestores that can be used for Video, Key, or Mask
- Video Frames can be saved to Floppy Drive or Hard Drive as either 8 or 10 bit YUV files, or as TIFF files
- Provides garbage mask drawing using mouse or joystick
- Framestores provide test patterns such as Bars, Multiburst, Pulse and Bar, and Color Wheel

8150-JAZ**JAZ DRIVE MOUNTING KIT**

- Provides mounting kit for low profile Hard disk drive and 1GB Jaz™ (removable disk media) drive
- Requires customer purchase of new hard drive and Jaz drive
- Customer installed option, not available as a factory install.
- Installation instructions provided from SDV field service

8150-HDD**HARD DISK DRIVE**

- Saves Effects, Timelines, Personality files, Engineering Files, and Video Stills (8150-DFS required for video still storage)
- Video Stills can be saved as 8 Bit YUV, 10 Bit YUV or TIFF
- Up to 1200 video stills on line
- Recall Speed as low as 3 seconds
- Subdirectories for easy organization of data

Systems built after Oct 1998 have Hard Disk Drive as standard.

8150-AWG**ADVANCED WIPE GENERATOR**

- Full featured Dual Wipe Generators for M/E and Single Wipe Generators for Program/Preset and SuperMatte
- Extended Patterns, including Matrix and Textures
- Includes Pattern Mixing, Pattern Modulation, and Pattern Morphing between the two wipe generators in the M/E
- Adds Pattern Multiply and Perspective
- Advanced SuperMatte capabilities with textures

Systems built after April 1997 have Advanced Wipe as standard.

8150-444**4:4:4 CHROMA KEY OPTION**

Enables true 4:4:4 chroma key extraction on all 3 Keyers. 4:4:4 source can be from two co-sited serial digital inputs.

8150-OUT2**FRAME DELAY OUTPUT BOARD**

Upgrades existing 8100 or 8150 system standard output board to the frame delay output board.

Provides one Serial Digital Program output at 1 Frame delay, and another Serial Digital Program output which is switchable between 34 lines (for Pre-read editing with Digital Betacam and D5) and 1 Frame (for feeding encoders and other devices that require a “zero timed” switcher output).

Preview output and Aux 1/Aux 2 (if installed) are also switchable between 34 Lines and 1 Frame delay. Also provides one component analog (SMPTE levels) monitor output, which can be switched to monitor preview or program output.

Systems built after January `96 have Frame Delay Output standard.

8150-MEM**MEMORY EXPANSION**

Upgrades existing 8100 or 8150 system to 8 megabytes of high-speed battery backed up memory. This increases the online timeline effects from about 25 to 100. In addition, it allocates memory for an enhanced auto chroma key setup.

Systems built after January `96 have Memory Expansion standard.

NOTES: