

## 4 DV input Video Switcher

## Component Y.U.V 4:2:2 Frame Synchroniser

The SE-800 is a broadcast quality four input digital mixer. Multi-format inputs and outputs with Analogue/DV format conversion. The SE-800 provides a "PC link" digital overlay interface port which, allows you to connect a PC overlay card to import PC text and graphics. The full size control panel includes 30 pre-programmable keys that let you playback the pre-programmed functions instantly by pressing a single key. The Data Control Port enables firmware upgrades via a PC.



### Key Features

- Dual channel TBC with YUV 4:2:2 Frame synchroniser for Composite, S (Y/C) and Component Y.U.V. inputs and outputs
- Each input can accept: DV (DV25), Component YUV, S (Y/C) or Composite video formats, and convert output to all formats
- SDI overlay port provides Digital Y.U.V In/Out connection. It allows you to connect a PC expansion graphics card or SDI chroma keyer to overlay text and graphics from a PC or high end chroma key effects.
- Colour processor including R.G.B. Correction can be stored with different settings upon each video input.
- Programmable area for Mosaic effects with position control by joystick.
- Digital effects include: A/B Roll, A/B Dissolve, Chroma Key, Mosaic, PIP, Strobe, Fade and Wipe with soft edge...etc
- 30 instant Pre-programmable playback function keys
- Four channel stereo mixer with stereo microphone and earphone connections.
- The unit is shipped with an aluminium case for increased protection during transportation.

Multi-Video Format Converter With Colour Processor



More than 50 Digital effects and 30 Instant playback keys



Four channel Audio mixer with A/V sync calibration



## Rear Panel:



## Specifications

- **Video Formats**  
Analogue Y/C and Composite at CCIR601 NTSC and PAL (PAL and NTSC are separate models)  
Analogue Y.U.V. Video - Sony Betacam standard  
DV interface by DV25 format at Y.U.V. 4:1:1 NTSC or Y.U.V. 4:2:0 PAL 25 Mbps bit rate
- **Video Inputs**  
Four video inputs with options of Composite, S (Y/C), Component and DV
- **Video Output**  
One video output with options of Composite, S (Y/C), Component, DV and SDI output
- **Audio Inputs**  
Video Source A to D, Music, Aux., Stereo Microphone
- **Audio Output**  
Main output and earphone output with volume control
- **Audio Sync**  
Delay Time: - 19 Frames To + 3 Frames
- **Dual Channel Full Frame Synchroniser TBCs, 4:2:2, 13.5MHz**
- **Digital Effects including**  
A/B Roll, A/B Dissolve, PIP, Border lines, Chroma Key, Zoom, Mosaic, Art Paint, More Than 50 Digital Effects With 3 Transition Speeds
- **Position Control With Mosaic Effect**  
Full Screen Position Control By Joystick with 2 Rectangular Mosaic size options
- **Instant Playback Keys**  
F01 to F30, 30 Pre-programmable Keys
- **Earphone Monitor Jack**  
Stereo Audio, 1.0Wrms in 16 ohm
- **RS-232 Data Control Port for Remote Control and Software Updating**
- **Colour Processing**  
Brightness +/-20%  
Contrast +/- 3dB  
Colour +3/-10dB
- **R.G.B. White Balance: +/- 10 Degrees**
- **Video Bandwidth**  
Component >5.0 MHz  
S (Y/C) >5.0MHz  
Composite >5.0MHz  
Audio 20 to 20KHz +/-3dB
- **Signal/Noise Ratio: Video > 55 dB  
Audio > 65 dB**
- **DG, DP +/- 3%, 3 degree**
- **Audio THD <1%**
- **Digital Y.U.V. Interface**  
SDI (SMPTE 259M-C 270Mbps)
- **GPI Control**  
Remote Trigger Controls Pre-programmed Effects from F01 to F30 in Sequence
- **Dimension W x D x H**  
430m/m x 420m/m x 120m/m  
17" x 16.8" x 4.72"
- **Weight: 5.5 Kg 13.8 lb**
- **Power:**  
Input: AC 90 To 240V auto-sensing  
Output: DC 15V/ 50W
- **Accessories**  
AC/DC Power Adaptor  
Aluminium Carrying Case  
1.8M IEEE1394 Firewire 6 to 6 Cable, 6.0ft x 2  
0.2M IEEE1394 Firewire 6 to 4 Cable adaptor 0.8ft x 4  
S (Y/C) Cable x 2  
Audio/Video Phono Cable x 2 sets  
Instruction Manual and Demo CD