datavideo®

SE-800/SE-800AV

Two 4-Channel Multi-Format Digital Video Mixer's

SE-800/SE-800AV Features

➤ **Video Input** - Each input can select any source, Component Y.U.V, S(Y/C) or Composite Video, DV.(DV Optional on SE-800AV)

➤ **Video Output** - One video output with Component Y.U.V, S(Y/C), Composite Video, SDI & DV. .(DV Optional on SE-800AV)

➤ **Audio Input** - Video Source A to D, Music, Aux, Microphone Stereo Audio input.

➤ **Audio Output** - Main output and earphone output with volume control.

➤ **Audio Sync** - Delay time: -3 frames to + 20 frames.

➤ **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.

➤ **Four channel stereo mixer** with stereo microphone and earphone connections.

➤ **50+ Digital effects** including A/B Roll, A/B Dissolve, Chroma Key, Mosaic, PIP, Strobe, Scaling, Fade and Wipe with soft edge plus many more..

➤ **30 Programmable playback function keys**, 3 transition speeds.

➤ **Position Control** with Mosaic effect full screen position control by joystick with 3 round Mosaic size options.

➤ **RS-232 Data Control Port** for remote control & software updating.

➤ **Dual Channel TBC** with full frame synchronisers 4:2:2 - 13.5MHz for Composite, S (Y/C) and Component Y.U.V. inputs and outputs.

➤ **SDI Port** provides a digital Y.U.V in/out connection that allows you to connect to an expansion graphics card or SDI Chroma Key that overlays PC text and graphics from a PC onto videos or high-end Chroma Key effect with an SDI digital video output.

Datavideo SE-800

The Datavideo SE-800 is a broadcast quality four channel AV mixer with multi format (DV, Y:U:V, Y/C, Composite) inputs and outputs. With built in digital to analogue converters utilising Datavideo's AVID approved format conversion technology the SE-800 allows you to combine both analogue and digital video together, in any combination

The Datavideo SE-800 boast's an impressive full size control panel which features a joystick positioning control for accurate positioning of Mosaic effects, 30 pre-programmed keys, and 50+ digital effects including wipes, transitions, fades, dissolves Etc. On the audio side of the SE-800; it has a four channel stereo mixer with stereo microphone and earphone connections plus an audio output level LED indicator on the front panel. You can be assured that the SE-800 will fulfil the needs of the most demanding professional and industry users

Datavideo SE-800AV

The Datavideo SE-800AV is an analogue version of the above SE-800 digital mixer. It has all of the same features as the SE-800 but without the DV and SDI boards. However this entry level four-channel A/V mixer can be Upgraded with DV Input boards on one or more channels as well as a DV Output board and an SDI Output/Overlay board—allowing you to create a bespoke 4 channel AV mixer that is perfectly suited to your needs and your budget. This is the ideal solution for users who have only one or two digital sources or who are currently using analogue sources but are looking into, or planning the purchase of digital equipment in the future.

Either model is perfectly suited to the education and public sector market, Video DJ's, AV companies churches, business' and any one else who requires a reliable and affordable DV/AV mixing solution.

DV Input Board provides a IEEE1394 interface that allows you to connect a DV Camera/Camcorder or other DV source such as the Datavideo DV Bank. Can be added to one or more channels

DV Output Board provides a IEEE1394 interface that allows you to connect a DV recording device such as the Datavideo DV Bank, DV deck/tape Etc

SDI Output & Overlay Board provides a digital Y.U.V in/out connection that allows you to connect to an expansion graphics card or SDI Chroma Key that overlays PC text and graphics from a PC.

SE-800/SE-800AV Rear View

The IEEE1394 DV and SDI connectors are removed from the SE-800AV. However it can be upgraded to suit your exact requirements

DV/Analogue Input Connections   DV/SDI & SDI Overlay Connectors

SE-800   SE-800AV   SE-800   SE-800AV

Comparison Chart

Features	SE-800	SE-800AV
4 x Component Y:U:V: Input	YES	YES
4 x Composite Input	YES	YES
4 x S-Video (Y/C) Input	YES	YES
Component Y:U:V:, S Video (Y/C), Composite Output	YES	YES
4 x DV (IEEE1394) Input	YES	Optional
DV (IEEE1394) Output	YES	Optional
SDI Output	YES	Optional
SDI Overlay Board	YES	Optional

Video Formats
Analogue Y/C and Composite at CCIR601
NTSC and PAL Analogue Y.U.V.
Video at a 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.
(PAL & NTSC are separate models).

Colour Processing
Brightness   +/ 20%
Contrast   +/ 3dB
Colour   +/ 10dB

R.G.B. White Balance +/- 10 Degrees

Video Bandwidth
Component   >5.0 MHz
S(Y/C)   >5.0 MHz
Composite   >5.0 MHz
Audio   20 to 20 KHz +/- 3dB

Signal/Noise Ratio:
Video   >55dB
Audio   >65dB

DG, DP +/- 3%, 3 degrees

Audio THD < 1%

Digital Y.U.V. Interface
SDI (SMPTE 259M-C 270 Mbps)

GPI Control
Remote Trigger Control Pre-program effects from F01 to F30 in sequence

Dimensions W x D x H
430mm x 420mm x 120mm

Weight
5.5 Kg

Power:
Input: AC 90 To 240v auto-sensing
Output: DC 15v / 50w

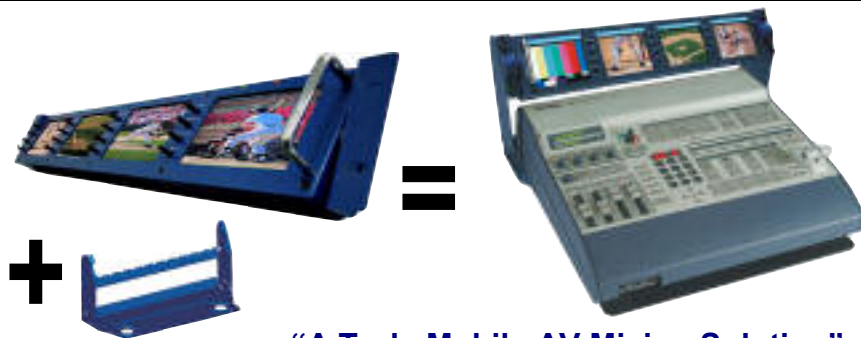## Applications

Broadcast Studios   Education   Video DJ   Churches

Accessories Included

1 x AC/DC Power Adapter
1 x Aluminium Carrying Case
2 x 1.8M IEEE1394/FireWire 6-6 pin Cable
4 x 0.2M IEEE1394/FireWire 6-4 Pin Cable adapter
2 x S(Y/C) Cables
2 x Sets Audio/Video Phono Cable

TLM-404 Rack - Mountable Monitors

"A Truly Mobile AV Mixing Solution"

The TLM-404 Monitors are a 19" rack mountable bank of 4, 4 inch LCD monitors. Each monitor has individual adjustments for brightness, contrast and colour saturation. Each has a tally light. To the rear of each screen there is a composite BNC input and loop-through BNC output. There is also an RS 232 connection and power socket for 12v DC. The casing is 2U in height and is robustly constructed of aluminium and steel. Pivot points at either end allow the monitors to be angled through 90 degrees, even when rack mounted; this makes viewing much easier, especially if they are mounted at the top of a large rack. In addition to mounting the TLM-404 monitors in a traditional rackmount, datavideo have also released a small "mobile monitor rack" that enables users of the Datavideo SE-800 the ability to easily mount the TLM-404 monitors directly onto the mixer – creating a truly versatile and mobile production solution.

The TLM-404 monitors represent a convenient and cost effective method of monitoring multiple channels both in the studio and OB situations and are also perfect for situations where a versatile and compact AV mixing solution is required such as churches, conferences and in education.

Optional Accessories

TLM 404
4x4" LCD monitors

TLM 68D
6.8" TFT LCD monitor

TLM 404/SE800
Mobile Rackmount

20 Metre IEEE1394/
FireWire Cables

6-port DV Repeater &
Distribution Amplifier

1-in 1-out DV Repeater

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