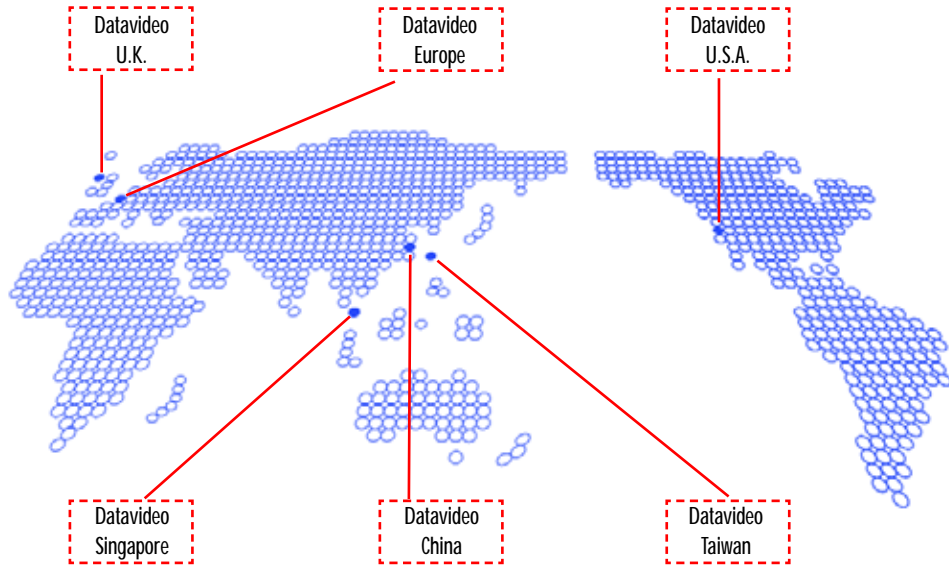


**Demo Datavideo in your facility!**

No test is better than the one you make in the same way that you will use our gear. Every Datavideo product is available for a two week evaluation. Please check our website for demo information, call us (562) 696-2324 or ask your reseller.



**Contact Information for Datavideo U.S.A.**

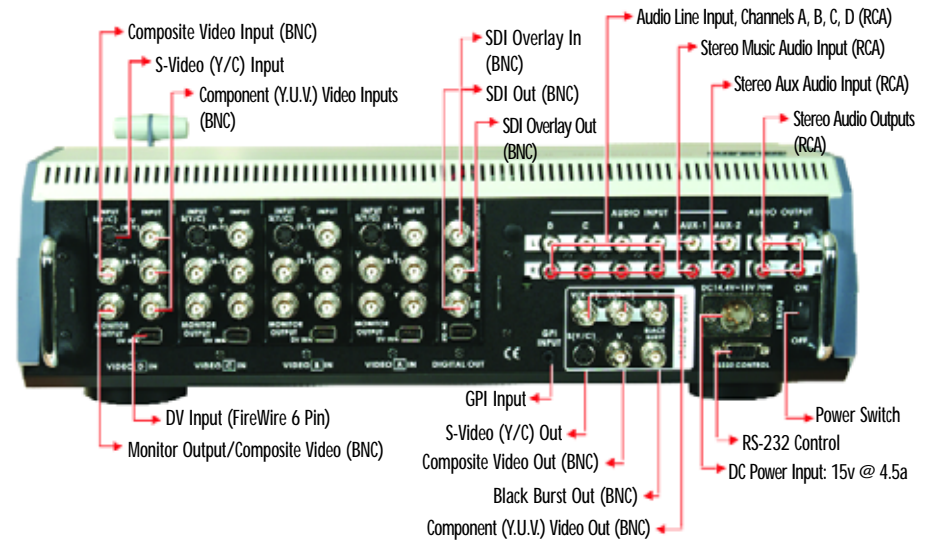
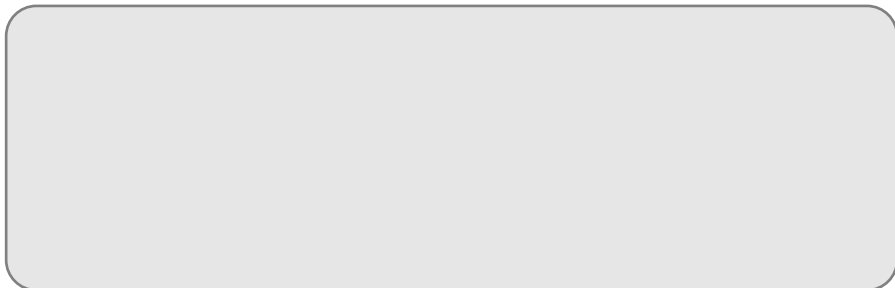
12300 East Washington Blvd., Suite U  
Whittier, CA 90606

Tel: (562) 696-2324  
Fax: (562) 698-6930

**E-mail:**  
**Orders & Credit** - [contactus@datavideo.us](mailto:contactus@datavideo.us)

**Marketing & Sales** - [john@datavideo.us](mailto:john@datavideo.us)

**Technical Support & Service** - [steven@datavideo.us](mailto:steven@datavideo.us)



## SE-800 4 DV Input Switcher

Producers can now shoot, mix and edit their video all within the DV 25 format while controlling the SE-800's dissolve, chroma key and more than 50 built in effects with its full size keypad and control panel or remotely via PC. This mixer accepts 4 DV inputs.



**Video Inputs (4)**  
DV, Component (Y.U.V.), S-Video S(Y/C), or Composite Video.



**Video Outputs (5)**  
DV (DV-25), Component (Y.U.V.), S-Video S(Y/C), Composite and SDI.



**Audio Inputs**  
4 Stereo pairs and 2 Aux - Unbalanced audio.



**Audio Outputs**  
2 main and 1 earphone with volume control.



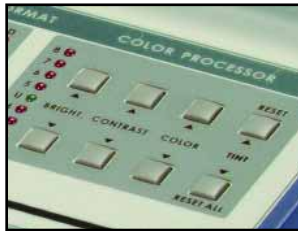
**Voice Sync.**  
Advance or delay the audio to match the video.



**SDI Character Generator**  
Use Datavideo CG-100, SDI character generator.



**Joystick**  
Control RGB or PIP.



**Color Processor**  
Includes RGB adjustment for white bal., stores last setup.



**6 Channel Stereo Mixer**  
Unbalanced in/out. Use BAC-03 accessory for balanced audio.



## SE-800 4 DV Input Switcher

www.datavideo.us

### Unit Dimensions/Weight/Power

**Width:** 17 inches, 430 mm, **Depth:** 16.8 inches, 420 mm

**Height:** 4.72 inches, 120 mm, **Net Weight:** 14 lbs, 6.4 kgs

**Power:** 15 volts, 70 watts



**50+ Digital Effects**  
Dissolve, Cut, Chroma Key, Mosaic, PIP, Strobe, Wipe, etc.



**Programmable Playback**  
Save 30 transitions. Playback by pressing a single key.



**RS-232 Control Protocol**  
Available on website.



**GPI Input**  
Controls preprogrammed efx F01 to F30 in sequence.



**Network PC Control**  
See website for details.



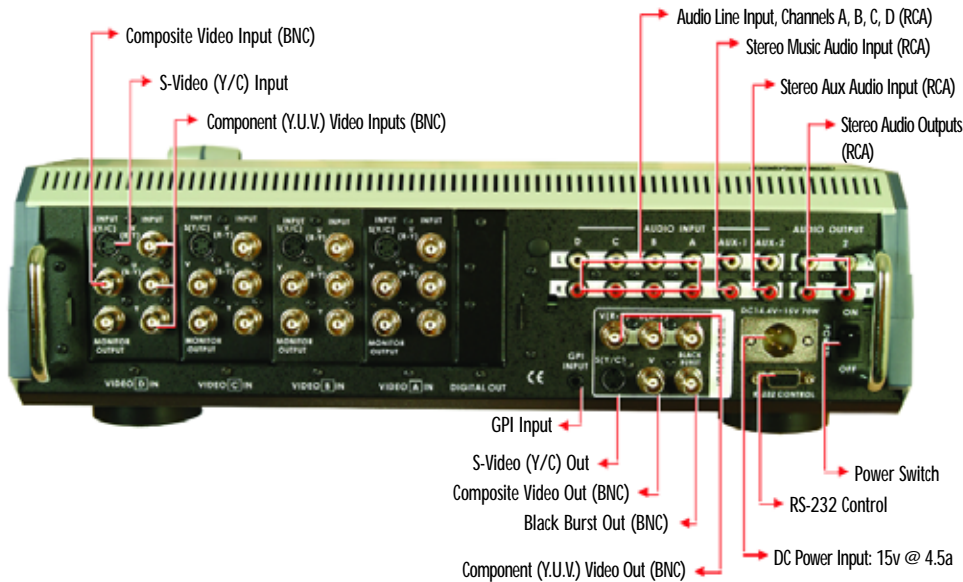
**No Genlock**  
Dual channel TBC and 4:2:2 frame synchronizer built-in.



**SE-800 Carrying Case**  
(Included)



# SE-800 AV Front & Rear Views



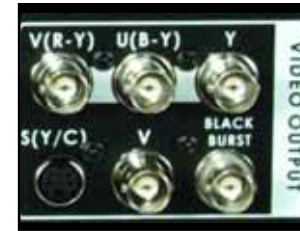
# SE-800AV 4 Input Switcher

[www.datavideo.us](http://www.datavideo.us)

This full featured, self contained analog video switcher includes fade, dissolve, picture in picture, chroma key and more than 50 built in effects. It may be controlled using a PC via RS232 and may be upgraded into the SE-800DV model.



**Video Inputs (4)**  
Component (Y.U.V.), S-Video S(Y/C), or Composite Video



**Video Outputs (3)**  
Component (Y.U.V.), S-Video S(Y/C), Composite.



**Audio Inputs**  
4 Stereo pairs and 2 Aux - Unbalanced audio.



**Audio Outputs**  
2 main and 1 earphone with volume control.



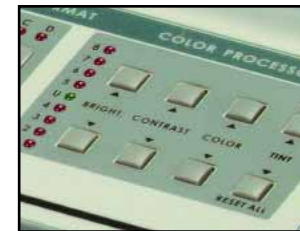
**Voice Sync.**  
Advance or delay the audio to match the video.



**50+ Digital Effects**  
Dissolve, Cut, Chroma Key, Mosaic, PiP, Strobe, Wipe, etc.



**Programmable Playback**  
Save 30 transitions. Playback by pressing a single key.



**Color Processor**  
Includes RGB adjustment for white bal., stores last setup.



**6 Channel Stereo Mixer**  
Unbalanced in/out. Use BAC-03 accessory for balanced audio.



## SE-800AV 4 Input Switcher



**GPI Input**  
Controls preprogrammed efx F01 to F30 in sequence.



**RS-232 Control Protocol**  
Available on website.



**Network PC Control**  
See website for details.



**No Genlock**  
Dual channel TBC and 4:2:2 frame synchronizer built-in.



**Joystick**  
Control RGB or PIP.

### SE-800 UPGRADE OPTIONS

- \* **4 DV Input Cards**  
(P/N SE-800 DVIN)
- \* **1 DV Output Card**  
(P/N SE-800 DVOUT)
- \* **1 SDI I/O and Overlay Card**  
(P/N SE-800 SDI OUT & OVERLAY)



## Specifications SE-800DV & AV

[www.datavideo.us](http://www.datavideo.us)

TWO MODELS	SE-800DV	SE-800AV
<b>VIDEO INPUTS</b>		
DV INPUTS (VIDEO & AUDIO)	4	0
COMPOSITE INPUT	4	4
S-VIDEO INPUT	4	4
COMPONENT INPUT	4	4
<b>AUDIO INPUTS</b>		
STEREO ANALOG FOR VIDEO (UNBALANCED)	4	4
STEREO (AUX)	2	2
<b>VIDEO OUTPUTS</b>		
DV	1	0
SDI	1	0
COMPOSITE	1	1
S-VIDEO	1	1
COMPONENT	1	1
<b>AUDIO OUTPUTS</b>		
STEREO ANALOG (UNBALANCED)	2	2
EARPHONE	1	1
VIDEO MONITOR OUTPUTS COMPOSITE	4	4

### Video Formats

Analog Y/C and Composite at CCIR601 NTSC and PAL  
Analog Y.U.V. Video at a Sony Betacam standard DV interface by DV25 format.  
Y.U.V. 4:1:1 NTSC 25 Mbps  
Y.U.V. 4:2:0 PAL 25 Mbps  
(NTSC and PAL are separate models)

### Color Processing

Brightness +/- 20%  
Contrast +/- 3 dB  
Color +/- 10 dB

### Video Bandwidth

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

### Signal/Noise Ratio

Video > 55 dB  
Audio > 65 dB  
**DG, DP +/- 3%, 3 degree**

### Audio THK < 1%

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

### R.G.B. White Balance +/- 10 Degree

### GPI Control

Remote trigger controls preprogrammed effects from F01 to F30 in sequence

### Remote Control

RS-232, free PC interface available on website

### Power

Input: AC 90V to 240V auto sensing  
Output: DC 15V/50W

### Dimensions/Weight

**SE-800**  
17" x 16.8" x 4.72"  
430 mm x 420 mm x 120 mm  
14 lbs/6.4 kgs

### SE-800 with TLM-404 and Holder

17" x 18" x 9"  
430 mm x 457 mm x 229 mm  
21 lbs/6.4 kgs



**4 4" LCD Display and Holder** (P/N TLM-404JF)

**Long DV Cables**

Guaranteed results when combined with our DV repeaters

These are 6 pin cables.  
10 Meter cable. (P/N CA1066)  
20 Meter cable. (P/N CA2066)  
40 Meter cable. (P/N CA4066)

**DV Repeater**

In Line Repeater. (P/N VP-314)  
1 in 5 out Repeater. (P/N VP-322)

**Local PC Control**

Free PC only software controls the SE-800 via RS-232. Free download from our website.

**Network PC Control**

This hardware and software package lets you control the SE-800 from anywhere on your PC based network.

**Next Source Preview & Tally LED Control**

See the next source selected on a composite video monitor. Controls the tally lights on the TLM-404 monitor. Also operates existing tally lights or additional LED's mounted on a camera. (P/N SE-800 Nextal)

**Shipping Cases**

Please contact Anvil Cases  
www.anvilcases.com  
800-359-2684

**Remote Keyboard for the SE-800** (P/N RMC-90)

**Accessories** (Included)

- ✓ AC/DC Power Adapter
- ✓ Power Cord (1)
- ✓ Carrying Case
- ✓ GPI Cable
- ✓ 1.8m IEEE/1394, DV 6-4 Cable (1)\*
- ✓ 1.8m IEEE/1394, DV 6-6 Cable (1)\*
- ✓ 30 cm IEEE/1394, DV 4-6 Cable Adapter (4)\*
- ✓ 1.2m S-Video S(Y/C) Cable (2)
- ✓ Plastic Pouch (for Cables)
- ✓ Instruction Manual

\* DV Model Only



**PowerPoint to DV Software**

Use this PC Software to convert PowerPoint to DV for editing or as a switcher source.



**DV Hard Drive Recorder**

Record up to 9 hours of DV for archiving or future storage. (P/N DN-100)



**Anvil Case**

Holds SE-800 and TLM-404 Monitor



**MP-6000 DVD RW+Recorder**

Burn DVD's directly from the SE-800. This recorder accepts a DV input. (P/N MP-6000)



**TLM-70 LCD Monitor**

7" portable LCD monitor with DV, composite and component inputs. Includes speakers. (P/N TLM-70)



**Character Generator**

Based on a Blackmagic Design Decklink card in a PC, the Datavideo CG-100 software is a simple character generator with exquisite SDI quality and a practical price.

**Q: Can it accept four DV sources?**

A: The SE-800DV does. The SE-800AV may be upgraded.

**Q: Does it also accept four of any other format?**

A: Yes. Both the SE-800 and the SE-800AV accept Component, Composite and S-Video.

**Q: Do we need TBC's or Frame Synch's**  
A: No

**Q: Is there a problem with audio/video synch in DV?**

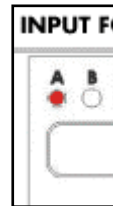
A: No problem. You do have to set it. The instruction book and web site explain how.

**Q: Is there a video delay?**

A: Yes there is a DV delay. This means that if you are doing I-MAG or projecting a video image of the speaker, their video actions will be about five frames or 1/6th of a second later than their real movements. This is noticeable. There is less of a delay with S-Video cameras.

**Q: How do you use an external audio mixer?**

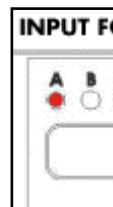
A: To use sound from an external audio mixer, you must connect the mixer to the A, B, C or D source audio input channels on the SE-800. You will then need to disable the DV audio stream from the SE-800. Do not use the AUX input for audio that you want to synchronize to video.



**Using an external audio mixer**

Separate the DV audio from the DV video so you can use an external audio mixer. Connect the mixer input to channel A, B, C or D but not to aux inputs

1. Press the INPUT FORMAT button. To select channel A, B, C or D



2. Press the "SPD" key to toggle "N" and "Y" ("Y" enables the DV audio on each DV input "N" disables the DV audio on the DV input and enables the analog line inputs.)

3. Press the INPUT FORMAT button to exit and save your current selection. Note: Connect the output from your mixing board to channels A, B, C, D,

only or your audio and video will not be in SYNC. (Do not connect it to the AUX input on the mixer.)

**Q: What is the advantage of the Datavideo TLM-404 - 4 LCD display over the others?**

A: There are four. (1) Combined with the custom holder, the Datavideo display is less expensive than others and uses LCD panels with similar specifications. (2) The controls on the Datavideo TLM-404 are "recessed" to prevent being broken off. (3) TLM-404's have on/off switches on the front. (4) With the custom holder, the monitors can be seen while operating the controls of the SE-800. This is most important to users who are not operating this equipment every day.

**Q: Long DV cables?**

A: Datavideo guarantees the performance of our cables when used with our DV repeaters to carry a DV25 video signal. In other words, you can use these cables and repeaters to put your camera 20, 40, 60 meters or more away from the switcher but you can not use them to move a FireWire hard drive the same distance.

**Q: What is the warranty?**

A: One-year parts and labor. Extenuating circumstances are always considered.

**Q: Does the SE-800 have a Demo mode?**

A: Yes, press and hold the PLAY button to activate it.

**Q: What about RS-232 control via Crestron or AMX?**

A: The RS-232 protocol is on the web site. We will work with you.

**Q: Do we need Genlock?**

A: No you do not.

**Q: What about HDV and 16:9 cameras?**

A: These cameras also output (normal) DV-25. The SE-800 will work with DV-25.

**Q: Can we use the carrying case as a shipping case?**

A: No, please do not.

**Q: Do you charge for firmware updates?**

A: No charge for firmware updates.

**Q: How do I set up the audio on the SE-800 so it does not change with the different video sources?**

A: This is what happens if the A/V button is not enabled. (If the A/V button is not enabled then the audio source does not change when video channels are changed.) If a single audio input from a sound board is used as a audio source, then a fade in/out of video would not affect the audio. In other words, the audio would stay active and not fade. If you turn on the A/V button and fade from "A" (Audio is present) to a channel that does not have audio, you will get a slow fade in the audio. It does not matter if you fade to a color or fade to video, the audio will fade out.

**Q: What are the frame rates of the SE-800 dissolve speeds?**

- |                     |                     |
|---------------------|---------------------|
| Speed 1 = 84 Frames | Speed 5 = 18 Frames |
| Speed 2 = 45 Frames | Speed 6 = 11 Frames |
| Speed 3 = 32 Frames | Speed 7 = 6 Frames  |
| Speed 4 = 26 Frames | Speed 8 = 5 Frames  |
|                     | Speed 9 = 4 Frames  |

## SE-800 4"x4" TFT LCD Monitor and Holder

The TLM-404 includes four 4" TFT LCD monitor in a standard 19" rack mount, 2 RU high. It can tilt up to +/- 30 degrees and lock in any position. Controls include contrast, brightness, color and tint. (Tint is NTSC only). Composite video in with 75 ohm self terminating pass through. Three tally LED's per screen.

### LCD Display

4" TFT LCD, active matrix, 480 x 234 pixels.

### Video Input

Composite Video 1.0Vp-p, 75 ohm.

### Video Output

Loop-through with 75 ohm self terminated, 1.0Vp-p output at 75 ohm load.

### Power Supply

AC 90-240V input, DC 12V, 50W.

### Video System

NTSC/PAL auto recognition

### Unit Dimensions

Width: 19 inches, 482.6 mm  
Depth: 3 inches, 76.2 mm  
Height: 3.5 inches, 88.9 mm  
Net Weight: 4 lbs, 2 kgs

### Accessories (Included)

Allen Wrench (1.5 mm)  
Allen Wrench (2.5 mm)  
Instruction Manual (1)  
BNC Cable (4)  
Power Adapter (1)  
Power Cord (1)



TLM-404 Power Switch



Holder for SE-800



TLM-404 Video Loop



TLM-404 Tilts



SE-800 Monitor Out

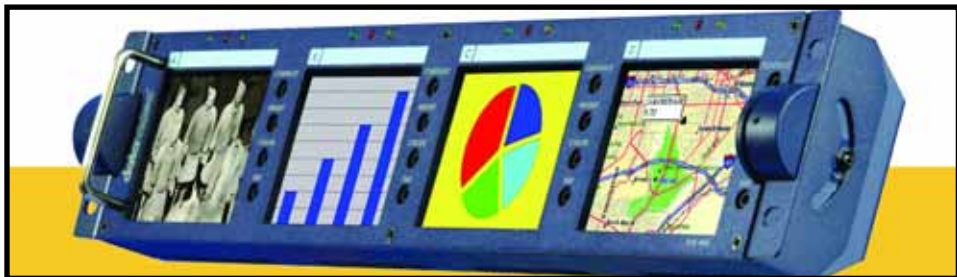


Holder for SE-800

Each video input module has a composite output that can connect to the TLM-404



Recessed Controls



## SE-800 Remote Control Local and Network via PC



### RS 232-L

The entire SE-800 is on your PC desktop. Works with W2000 and XP. (no charge for this software only solution) Please visit our website to download.



### RMC-120

PC/NETWORK control of the SE-800. Works with W2000 and XP. (requires interface box) Please visit our website for more details. (Requires free firmware upgrade)

## SE-800 Next Source Tally Controller

This accessory for any SE-800 will let you see the next source selected on a terminated, composite video monitor. This is a passive video switch, it does not terminate the inputs. It will also operate the tally LED's on the TLM-404, TLM-70 or let you connect other leds that may be mounted on your camera. Please visit our website for more details.

