

The SE-800 AV & DV video switchers are flexible solutions for any studio and are supported by a large family of Datavideo accessories.

The SE-800 comes in digital and analog versions (SE-800DV and SE-800AV), accommodating almost any studio set-up. The DV model includes 4 DV/AV inputs and outputs for SDI, DV, composite, component, and S-Video. It also includes an output for an SDI overlay channel for use with a CG (character generator) that uses a down stream keyer (DSK). Using the SDI overlay allows the character generator to appear in all of the SE-800DV outputs. The SE-800 switchers also include an internal audio mixer with both mic and line level audio inputs. (Built-in audio delay will ensure correct lip-synch works on all formats) Both models include TBC and a format converter, so each input source may be seen with a composite video monitor.

Each unit is compatible with a family of Datavideo accessories: monitor holders, shipping cases, mobile studios (and their compatible products) intercoms, character generators, and more. We have several SE-800 "kits" available that include a switcher and monitor, but you can build a kit of your own with the available accessories.



Features

- Monitor output: one composite output for each input via included composite video format converters
- Next source preview and tally – optional with RMC-140
- No gen-lock required – frame synchronizer and TBC built-in for each active source for flicker-free switching
- Input selector – main and sub bus selector. Cut direct between sources via the main bus
- Preset keys – 30 quick selection keys for preset event and effects
- Voice sync – audio advanced to audio delayed, +3/-19 frame
- Audio mixer – 6 channel stereo mixer for mixing the audio from video with house audio or AUX inputs or microphone
- Adjustable audio delay for frame accurate and perfect synchronization between video and external audio
- Joystick control can be used for either RGB color correction (white balance corrections) or position the PIP or Mosaic effect
- Picture-In-Picture (two fixed sizes)
- Color processor – brightness, contrast, and color setting white balanced for each input. Last settings saved at power up
- Digital effects – 15 transitions plus border, six speeds, plus six special effects
- Easy tilt with the Datavideo CG-100 character generator

- SDI graphics overlay – use any SDI based character generator with DSK (down stream keyer). SE-800DV has SDI overlay built in, SE-800AV requires upgrade card
- Four tally outputs – requires RMC-140 with red/yellow tally lights
- GPI input trigger controls 30 pre-programmed effects in sequence

Specifications

Video

- DV version – inputs: 4 inputs in DV, composite, component and S-Video
- DV version – outputs: SDI, DV, composite, component, and S-Video. SDI overlay for graphics or character generators
- AV version – inputs: 4 inputs in composite, component, and S-Video
- AV version – outputs: composite, component, and S-Video

Audio

- Inputs: unbalanced, 4 sources (A, B, C, D), aux 1, aux 2, stereo
- Outputs: unbalanced, 2 main stereo outputs

Control

- RS-232 remote control interface

Power

- 15V 4.5A DC 110/220 power supply

Included



Optional Accessories

Quad 4" TFT LCD Monitor



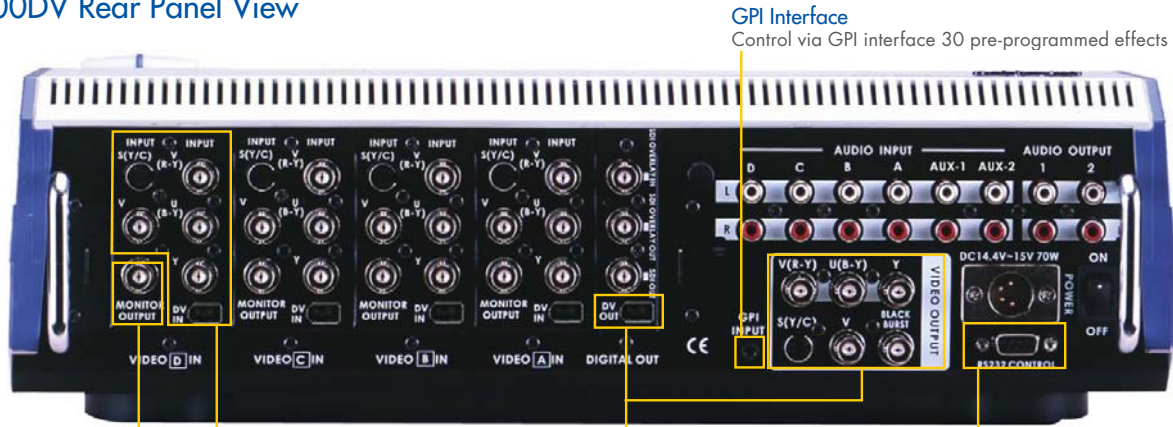
Dual 7" TFT LCD Monitor



LCD Monitor Holder



SE-800DV Rear Panel View



Monitor Outputs A-D
Each input is looped through to a composite video monitor

Video Inputs A-D
Four video inputs, each with DV25, component YUV, S-Video (Y/C) and composite video

Video Outputs
Simultaneous output of SDI, component Y:U:V, DV25, S-Video (Y/C) & composite video

RS-232 Interface
Connect Datavideo's external control boxes (RMC-90, RMC140 & RMC-120)

GPI Interface
Control via GPI interface 30 pre-programmed effects

Dimensions

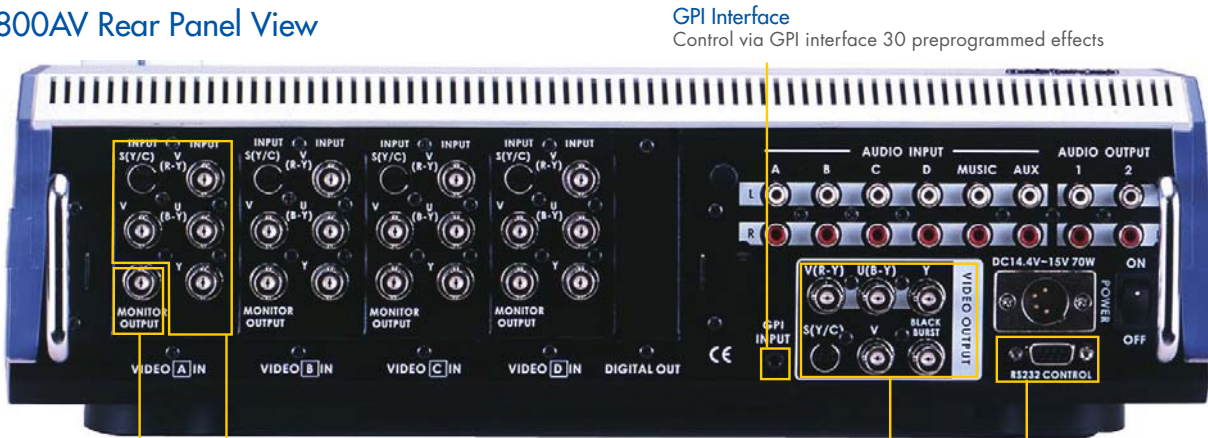
Width: 16.5 inches (415mm)
Depth: 16.8 inches (419mm)
Height: 5.3 inches (135mm)
Power: 15V 4.5A DC 110/220 power supply included



DV Input
SE-800DV provides users with four DV25 inputs via a FireWire connector. DV25 provides optimal picture quality while at the same time easy installation and no quality loss using long cabling



SE-800AV Rear Panel View



Monitor Output A-D
Each input is looped through to a composite video monitor

Video Input A-D
Four video inputs, component YUV, S-Video (Y/C) and composite video

Video Output
Simultaneous output of SDI, component Y:U:V, DV25, S-Video (Y/C) & composite Video

RS-232 Interface
Connect Datavideo's external control boxes (RMC-90, RMC140 & RMC-120)

GPI Interface
Control via GPI interface 30 preprogrammed effects

Optional Accessories

RMC-120 Ethernet remote controller

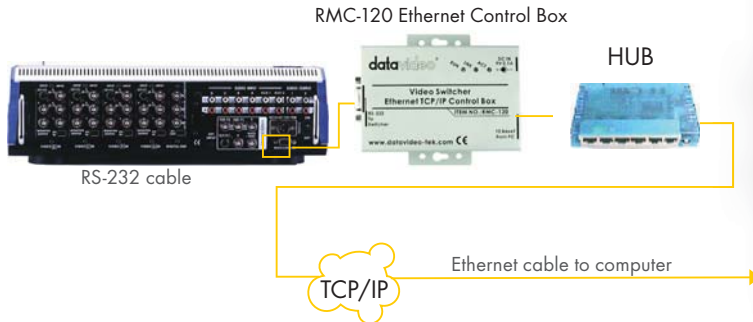


System Requirements

CPU: Pentium 4, 2.4GHz
RAM: 512MB RAM
Screen Resolution: 1024x768
OS: Windows XP
PC/Network control box allows full control of SE-800 via Datavideo's free software (available online on our website)

Remote Control Software

Connect the SE-800 direct to a RMC-120 port or a Ethernet port on a computer and control the switcher using special computer software



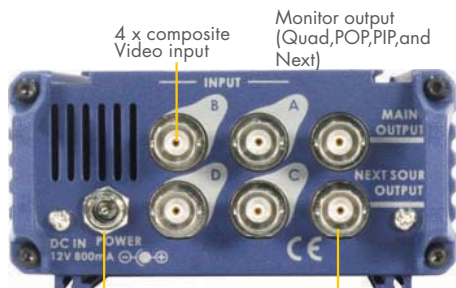
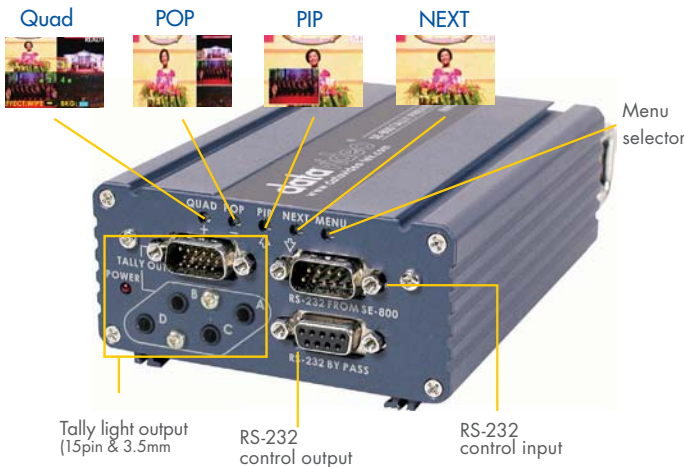
- | | |
|-------------------------------|--------------------------------------|
| 1 Joy stick and mode selector | 13 T-Bar |
| 2 Voice sync adjustment | 14 Main video source selectors |
| 3 Video input format selector | 15 Sub video source selectors |
| 4 Color processor | 16 Chroma key control |
| 5 Border control | 17 Preset Banks F1 to F30 |
| 6 Background control | 18 Video effects: Picture in Picture |
| 7 Audio follow video switch | 19 Video effects: Paint controls |
| 8 Transition source selectors | 20 Video effects: Mosaic controls |
| 9 GPI function on/off button | 21 Numeric Keypad |
| 10 Audio channel selectors | 22 Transition effects. |
| 11 Play F1 to F30 by sequence | 23 Audio channel selectors |
| 12 Take function key | |

SE-800 Remote control software (PC Only)



Optional Accessories

Next Source/Tally Box RMC-140



Power (DC12V)
4 Full screen preview with tally indication
Designed specifically for the SE-800

DN-400 / DN-500

This is a DV/HDV hard drive recorder that comes with a removable 250GB hard drive disk and two hard drive enclosures. DN-500 comes with an additional rack mount.

RMC-140

A tally box that works with the SE-800 to display choices of next source.

RMC-120

This is an Ethernet (TCP/IP) based control box used in particular with the SE-800.

VP-314

This is an inline DV repeater that comes with 6-pin outputs.

ITC-100

An intercom that accommodates up to 8 remote users. This set includes: case station, 20M (65ft) cables, headsets, belt packs and tally lights for 4 users.

RKM-4N7PK

This is a holder for the SE-800; also includes space to hold TLM-404H, TLM702 and ITC-100.

TLM-404H

4 units of 4" TFT LCD composite monitor on a 19" rack mount; that is made from steel and aluminum.

TLM-702

This is a 2 unit; 7" TFT LCD monitors that comes with on screen display features and HD-SDI inputs.

DV CABLES - CA2066/CA1066/CA2266

CA 2066/CA1066/These are male to male fire wire cables: CA2066 is a 20 meter (65ft) cable, CA 1066 is a 10 meter (32ft), CA 2266 is a 1.8 meter (5.9ft).

Useful Accessories