datavideo®

SWITCHER
GUIDE

2014
2015

DIGITAL
VIDEO
SWITCHER

Multi-camera productions are widely used in the TV, corporate, sports, live events, worship and education sectors. Datavideo's professional, broadcast and AV equipment is reliable, ergonomically designed and high performing. Our portable and modular solutions are perfect for integrated solutions, tailored to individual requirements.

SE-3000   SE-2800   SE-2200   SE-1200   SE-600   SE-500

HD/SD 16-CHANNEL PRODUCTION SWITCHER
SE-3000

SE-3000 is an 8/16 input HD & SD live production switcher, with a of impressive professional features, including a touch screen interface to select effects such as colour adjustment and keying.

Other features include extensive 3D DVEs, high quality multi-viewer preview output, chromakey, dual PIP, multi language support and a full size control panel keyboard as well as PC control interface.

The powerful "Flex Source®" effect enables you to have a second M/E, for advanced vision mixing.

SE-3000 full size low-profile control surface communicates with the main unit via a standard Ethernet cable Ethernet cable. This makes integration easy and flexible, ideal for use in production galleries, OB vans, live environments and many more. Use its 7" touch screen interface to save set ups and change settings like effects, colour adjustment and keying. Using a touch screen means that the operator does not have to remember effect numbers and can see what they are selecting.

SE-3000 advanced features include; extensive 3D DVE transitions, a high quality dual multi-view preview output, chroma and lumakey, dual PiP, 16-Channel embedded audio multi-language support and as well as it a

full size control panel keyboard, the unit can also be operated via a PC user control interface.

Moreover, the powerful "Flex Source" effect enables you to have a second M/E or advanced vision mixing. Flexsource® enables users to save a complete M/E setup and recall it as a source. It combines a background, two PIPs and a linear key into a single source that can be used in the main M/E. Flexsource® acts as a virtual M/E and allowing users to create, manipulate and apply 3D transitions to preset shots without affecting live Program output. The operator can exit the configuration mode and integrate the shot with any of the inputs when shot configuration is saved in Flexsource®.

SE-3000 is available as a 12 or 16 input multi-format model (switch HD & SD SDI inputs simultaneously by the up-converters on Ch-9 to Ch-16) or as an 8 ,12 or 16-input HD or SD version. Both accept DVI Input for additional graphic inputs. SE-3000 upscalers on channel 9 to channel 16. HD resolutions of 1080i 50/59.94/60 or 720p 50/59.94/60 and SD resolutions in NTSC or PAL formats. All models of the SE-3000 provide 10 outputs, four assignable SDI auxiliary output, one SDI and one HD-YUV program outputs, one SDI output for preview, plus two additional assignable SDI outputs and one assignable DVI output to Multi-viewer or program output.

7" colour LCD touch panel

Enable user to set and control SE-3000, such as
• Source video correction
• Select of 8-CH Up-converters and aspect ratio
• Effect and Transition
• Two chromakey and background setting
• Two DSK settings
• Flex source programming
• Two PIP & 3D DVE
• 999 image still store

Dual Picture-in-Picture

SE-3000 allows dual PIP screens to be displayed over the main program output. Size, placement, border and effects are completely user adjustable. With this technology: the switcher operator can easily use one input as the main screen footage, with two other inputs as smaller screen layered over the first. 3D Transition effects can be applied to each of the two PIP channels or the entire composite shot to create complex and dynamic transitions.

The 4 XLR inputs are sent to 2 outputs (each in stereo) which you can connect to an external audio mixer or recorder of your choice. If your audio is embedded in the SDI stream, it will be preserved in the Program output.

For audio, SE-3000 supports 16-Channel embedded audio SDI interface; in addition it has four analog XLR input ports and two XLR analog output ports. The 4 XLR inputs are sent to 2 outputs (each iin stereo) to which you can connect an external audio mixer or recorder of your choice. If your audio is embedded in the SDI stream, it will be preserved in the Program output.

DVE & 3D Effect

Up to 96 DVE and 3D effects

MS-3000PPU

Multiviewer

SE-2800 is a multi-definition switcher designed for productions that need eight to twelve HD or SD inputs. Being one of Datavideo's most flexible switching solutions, the SE-2800 is able to accept inputs in varying combinations of HD/SD SDI, HDMI, and Composite Video. It's ready for every live production, giving producers the opportunity to output graphics rich, visually appealing programming.

Its audio functionality allows it to integrate with an external mixer for complete sound control; the SE-2800 also features all channel audio de-embedding and audio delay, and 4 dedicated XLR inputs. As an integrated Multimedia mixer, the SE-2800 can switch between up-to 16 audio sources.

Dual DSK & Luma-key

The SE-2800 features dual DSK and Luma-key. Graphics produced in CG solutions such as Datavideo CG software or similar package can be used to deliver professional, dynamic results.

Dual Picture-in-Picture

The switcher also comes with dual picture-in picture capabilities. This allows two PiP windows over the main program output.

The inputs on the 2800 Series are grouped into modules, with each module consisting of four BNC (for HD-SDI or composite video) connectors and one HDMI connector. Within each module, four of the five ports may be used concurrently. Consequently, you can use four of the BNC ports or alternatively, three BNC ports and one HDMI port.

The 8-input SE-2800 Switcher has two modules, while the 12-input model has three modules. The switchers support a number of different resolutions including 1080i 50/60, 576i 50, and 480i 59.94/60.

For example, on an eight-input SE-2800, one may choose to use four of the SDI ports on module #1. On module #2, one HDMI and three SDI ports may be chosen. Or, all eight SDI ports may be used instead. Alternatively, one may use six of the SDI ports and two of the HDMI ports. In addition, every Ch1& Ch2 of the module can be set as CV input under SD mode operation.

As for video outputs, the SE-2800 has 3 HD/SD SDI outputs, 2-Channel HD to SD SDI down-converters on output #1 and #2. which are individually assignable to Program, Program without Logos, Program without Logos and Titles, Preview, or Auxiliary. There are also two HDMI outputs for a dual Multi-View setup.

Mobile Video Studio

HS-2800

MS-2800A/ B

HS-2800 is a compact Mobile Studio, which comes with the SE-2800 Switcher, an integrated 17" Monitor and ITC-100 intercom/tally System. The system is enclosed in a tough plastic case. The communication system includes 4xbelt packs, tally lights, and headsets. MS-2800 includes the SE-2800 switcher, ITC-100 intercom/ tally system, PD-2 power distributor system, HDR-70 recorder, slide-out TLM-170HM monitor, and AD-100 audio delay box.

MRS-2800   **OBV-2800**

OBV-2800, built around the latest Datavideo HD and SD switcher is designed to fit into the back of small vans and able to provide mobile capabilities similar to that provided by the larger OB vans. The complete system is well integrated in a compact and sturdy 25RU metal framework that ensures great stability and protection yet provides enough room for expansion.

It has convenient handles on the rack for lifting and placing it on a dolly. The OBV rack uses a bolt-on baseplate to mount into your vehicle or trailer. The control panel tray can fold up to save space during transportation, three of the OBV racks will fit laterally, across a Mercedes Sprinter 2500.

Built with highly power-efficient equipment, OBV-2800 can be easily powered by a 400watts Pd-2A Power distributor or Battery pack. Datavideo OBV-2800 is an easy to install, cost-effective and highly mobile solution for broadcasters and professionals both in studio and on-location.

Visualise Your Message

The SE-2200 6 input multi-definition switcher is perfect for live production, religious worship, meetings or conference purposes.
It is a technically smart and cost effective portable broadcast-quality switcher.
SE-2200 is a solution that comes with a great features such as 6x6 SDI genlocked Matrix, Dual PIP and built-in title overlay system that works with entry level Datavideo CG systems, or other graphics programmes
The ability to accept up to 6 HD or SD SDI and two HDMI signals, 6 HD or SD SDI assignable outputs and two HDMI multi-view outputs make it a very effective switcher.

MAKE A
VISUAL IMPACT

SE-2200 consists of 6 HD/SD-SDI video inputs or with a combination of 4 HD/SD-SDI and 2 HDMI inputs; all of the inputs are reassignable, thus it is able to adapt to your needs. One of the HDMI inputs can be used to accept video from a PC/Laptop computer to work with built-in title overlay system such as Datavideo's CG solutions, including CG-200

HS-2200 combines SE-2200 with a 17.3" HD LCD monitor and an 8 channel talkback/tally system. Packed into a durable case, HS-2200 is a convenient and powerful portable video studio. HS-2200 includes a built-in monitor for displaying all incoming input video sources as well as program and preview with tally indicator, on a single multi-view screen. The HS-2200 also feature a 8-channel intercom system complete with tally lights, belt packs and headset (supplied with four cameraman belt packs & four 20m cables included)

Whether you are filming a seminar or conference, conducting a live outside broadcast or shooting inside a production studio, the Datavideo SE-1200 HD video switcher enables you to switch seamlessly between video sources and blend high-quality digital content on the fly.

SE-1200 a small, portable computer controlled 1RU rack mountable switcher. It features a 6-Channel HD video input with dedicated buttons to manually switch the output sources. SE-1200 is incredibly reliabe, unlike PC-based systems that are prone to crashing midproduction.

SE-1200 streams out multi-view screen video in real-time to a control PC for monitoring and control remotely. It is designed to be fully controlled from any Windows Laptop / PC and Android tablet / iPad / Mac with the included SE-1200 software control panel.

Multiviewer

CH 4

HDMI

CH 5
PC

CH 6
MEDIA PLAYER

VIDEO OUT

HDMI 1   HDMI 2

AUDIO IN   CH1   CH2

RS-232

REMOTE CONTROL

TALLY

DC 12V

CE

MAIN WIPE KEYER CHROMA KEY PIP STILL AUDIO   IN OUT   USER SETUP NORM   FTB

PROGRAM   TRANSITION CONTROLS   DSK TRANSITIONS

BK 1 2 3 4 STILL 1 STILL 2 MATTE   MIX MATTE   BG KEY 1 KEY 2   DSK 1 DSK 2

PRESET

BK 1 2 3 4 STILL 1 STILL 2 MATTE   CUT AUTO TRANS   TRANS P/W REV   CUT AUTO TRANS

SE-1200 includes four SDI and two HDMI inputs with embedded audio and an internal frame synchronizer so you can use sources without gen-lock such as consumer HDMI cameras or even computers for live PowerPoint™ presentations. Two assignable SDI and two HDMI outputs for connecting an HD recorder, monitor and a streaming encoder, plus two Balanced XLR audio inputs for connecting an external audio mixers. Other features include Chromakey, Lumakey, DSK, PIP, Still stores, audio delay, Tally and RJ-45/RS-232 remote control interface.

Datavideo SE-600 is an eight input Standard Definition video switcher, with a built in dual channel audio mixer. The SE-600 provides 6x Composite Video, 1x DVI-D and 1x DVI-I input with Multi-View output displaying each input as well as Program & Preview on one monitor.

Thanks to the built-in frame synchronizers, the SE-600 enables you to switch seamlessly between inputs and blend high-quality content on the fly. And, with the optional DV board, users can have two extra DV and two extra SD-SDI outputs with embedded audio. SE-600 provides broadcast quality and is designed to excel and meet your demands whether you are working in worship, education, conducting a live outside broadcast or shooting inside a production studio.

Multiviewer
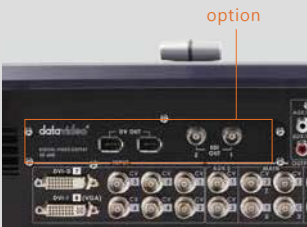
8 inputs

2 logos

8 outputs

Audio follow video

2 PIP

Optional SDI/ DV outputs w/audio

option

HS-600/ 600A

Datavideo SE-500 is a compact and lightweight, four channel analogue input, digital processing video switcher with S-Video (Y/C) and Composite Video inputs. In addition to S-Video and Composite Video, SE-500 also provides Component (Y:U:V) output. SE-500 is ideal for applications within wedding, worship, education, seminars, live broadcast, small studios, clubs, pubs and so on.

SE-500 Quad Screen
Superimposed tally & next effect indicator

The SE-500 uniquely displays all 4 input sources via a single quad output, including a superimposed tally indicator on each input, meaning you only need two video monitors - one for all four inputs, one for output. The input display will automatically change to preview the next transition. Features include Dissolve, Fade, Wipes, Splits, PIP and Colour Processor. Channels are internally synced via a built in dual Channel TBC 4:2:2 frame synchroniser. The SE-500 can be manually operated or controlled via RS-232 & MIDI interface.

High quality digital processor

Ideal when working in dark locations

Colour processor for video correction

Built in audio mixer with 2 microphone channels, 1 aux video source input

NO GENLOCK REQUIRED

No genlock is required thanks to the built in dual channel TBC and frame synchroniser

HS-500

QUAD

SPLIT

PIP

FREEZE

datavideo®

Sharing the Value

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