

SE-3000

16 input HD & SD live production switcher



■ HD & SD Switchers



■ HD & SD
Mobile Video
Studios



■ HD & SD
Recorders



■ HD & SD
Monitors



■ Converters



■ Chromakey



■ SDI CG



■ Accessories

SE-3000 SWITCHER



The Datavideo SE-3000 has up to 16 HD-SDI Inputs (8 or 16 Inputs as Standard). The SE-3000 is a HD live production switcher, with SDI upscaling and an impressive amount of professional features. Use its 7" touch screen interface to save set ups, and change settings like colour adjustment and keying.

Advanced features include; extensive 3D DVE transitions, a high quality Multi-view Preview output, Chroma and Luma key, Dual PiP, multi-language support and a full size control panel keyboard as well as a separate IP based PC control interface. An interesting and powerful feature of the SE-3000 is the "Flex Source®" effect, which feels like having a second M/E, for advanced and creative vision mixing

FEATURES

- Up to 16 HD-SDI Inputs (8 or 16 Inputs as Standard)
- SD-SDI Up-Scaling available for 8 inputs (via inputs 9-16)
- Built-in TBC for frame synchronisation of each source, even without genlocked equipment.
- Dedicated DVI Input
- High quality DVI-D multi screen multi-view output.
- 1 M/E Switcher with additional "Flex Source®" feature, which is similar to having a second M/E, for advanced vision mixing.
- 4 keyers (2 in M/E, 2 DSK)
- 40 wipe patterns, with variable border width, colour, softness
- Dual channel PiP with background & keyer
- Built-in DVE transition engine, with 88+ transitions including page turns
- Built-in 2 of HD/SD Chromakey
- Built-in SD-to-HD up converters for up to 4 sources simultaneously
- Component analogue HD output
- 4 AUX outputs (option)
- Built-In Still Store
- Black level, white clip, chroma gain for each input
- Send and return from audio mixed
- Large touch-screen LCD panel on control unit allows for easy menu selections and setting changes
- Separate, rack mountable processing unit
- PC-Base Control interface available
- User Shot Box-for quick access to user steps
- 1080i(59.94,60,50), 720P(59.94,60,50), 525, 625
- DC 12V operation voltage, available for mobile

SE-3000 PROCESSING UNIT



FEATURES

7" LCD Touchscreen panel



Numeric keypad



Joystick



Transition controls



Fade to black



4x AUX outputs



Internal Storage for up to 999 user memories, 8x button shot box for instant access.



Source selects



Menus

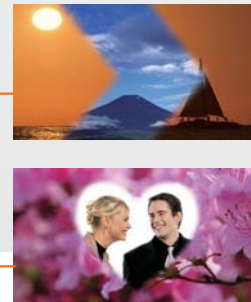
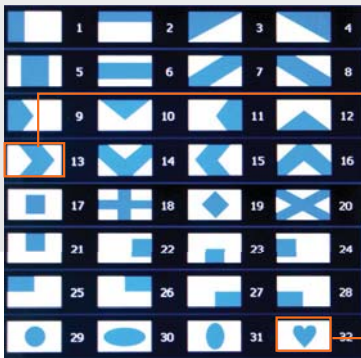


DSK transitions Transitions



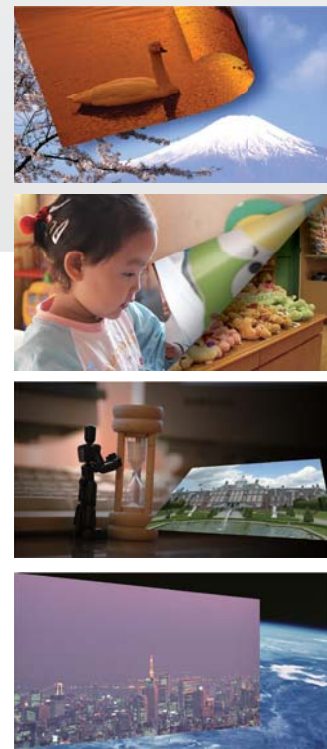
FUNCTIONS

Wipe effects



Total up to 32 WIPE effects

DVE & 3D effect



Total up to 88 DVE & 3D effects

Wipe border colour adjustment



Border edge adjustment

Chroma function adjustment

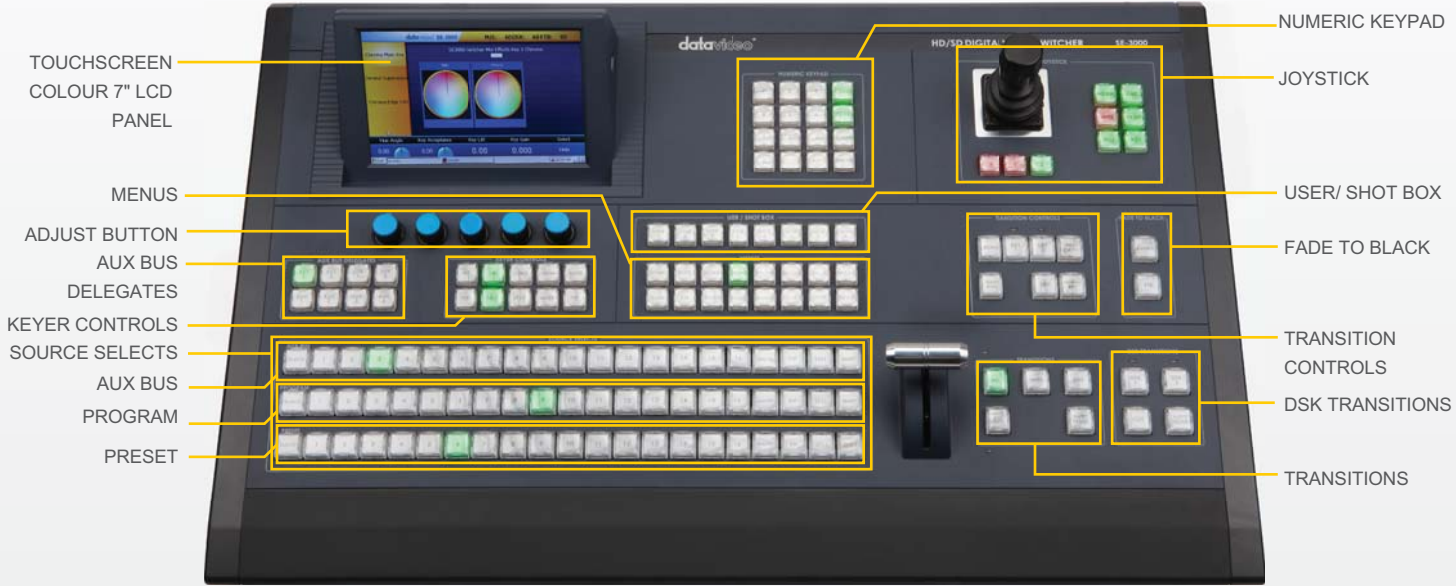


Two PIP effect



Dual PIP Processor with Background & Keyer

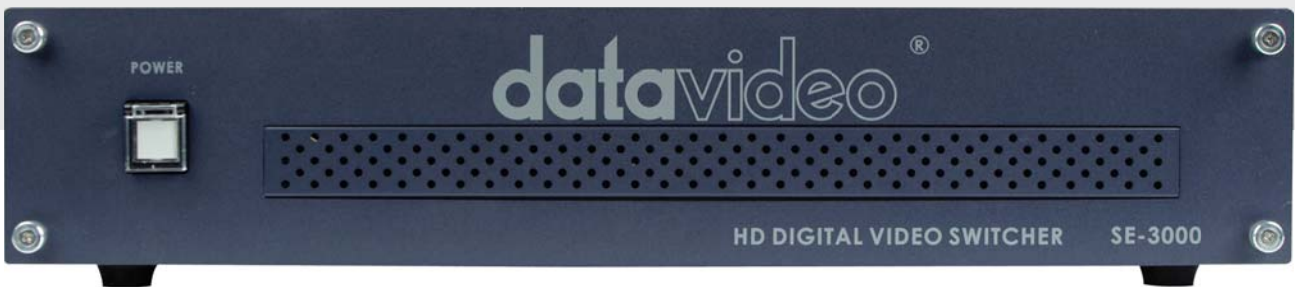
TOP VIEW



CONTROL PANEL



BASE UNIT FRONT VIEW



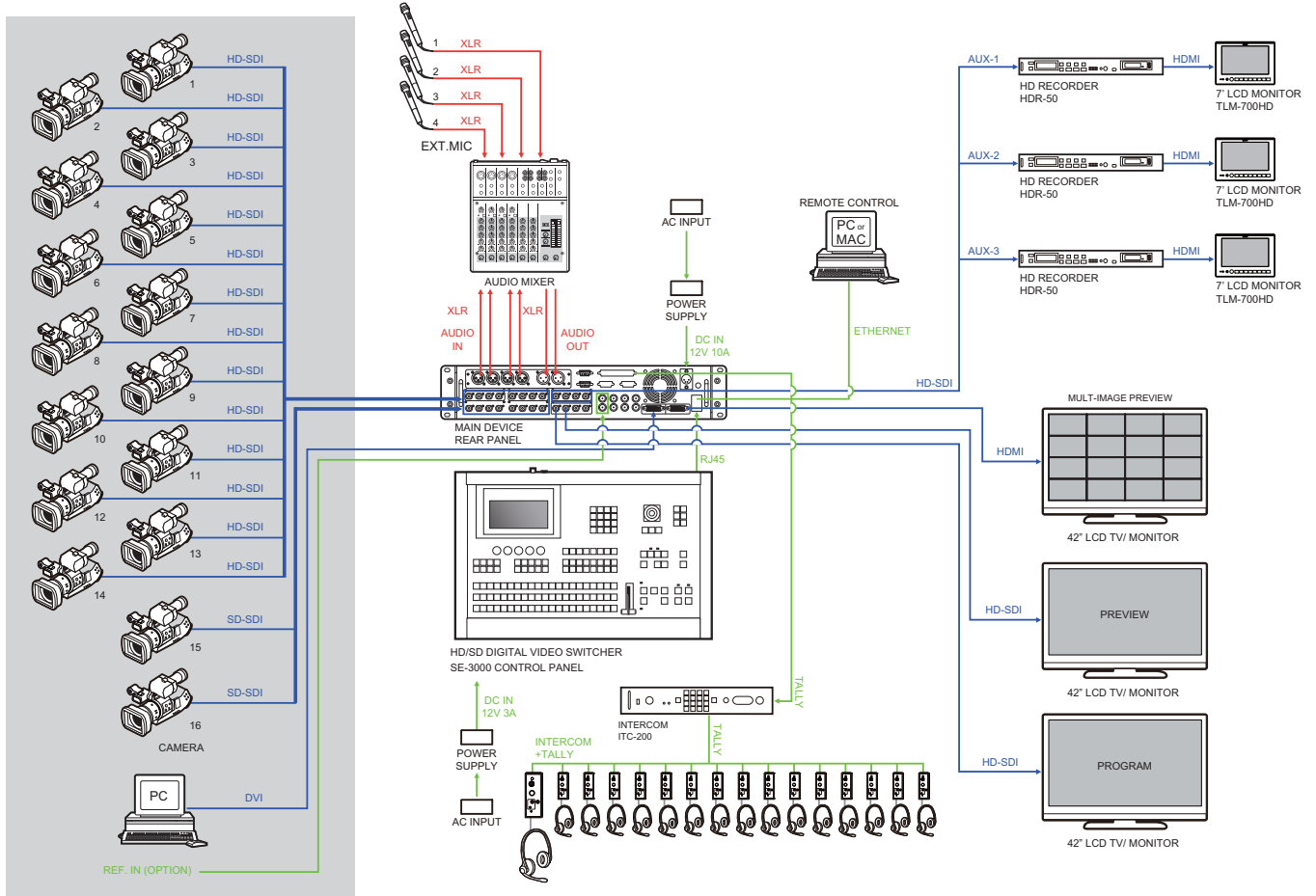
BASE UNIT REAR VIEW



Shown here in a 16 channel version

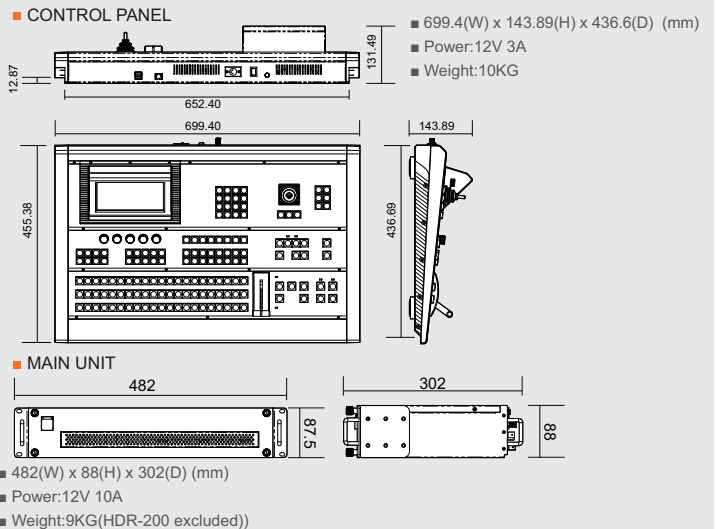
SYSTEM DIAGRAM

Datavideo SE-3000 HD/SD System Diagram



SPECIFICATIONS

- Video processing**
 - Video format SD (480/59.94i, 576/50i), HD (1080/59.94i, 1080/50i, 720/59.94p, 720/50p)
 - Y:Cb:Cr, 4:2:2 10 bit RGB, 4:4:4 8 bit
- SDI/HD-SDI Specifications**
 - Standard SMPTE 259M-C (270 Mbps, 525/625 component video) and SMPTE 292M (1.485, 1.485/1.001 Gbps)
 - Connector BNC (IEC169-8)
 - Impedance 75 ohms
 - Return Loss HD >15dB(5 MHz to 750 MHz), >10dB(750 MHz to 1.5 GHz)
SD >15dB(5 MHz to 270 MHz)
 - Equalization 265 m Belden 8281 cable at 270 Mbps; 135 m (typical) of Belden 1694A at 1.485 Gbps
- Operating temp.** 0 °C to +40 °C
- Humidity** 10% to 90% (non condensing)
- Preliminary specification subject to change without notice due to continual product development.**





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