

HD DIGITAL VIDEO SWITCHER

SE-2000



The Datavideo SE-2000 is a rugged and very portable five channel full HD video & audio switcher designed to excel in a new demanding high-definition production environment.

The brand new SE-2000 switcher not only meets your request for true full 1920 x 1080 HD quality, but also provides an array of simple-to-operate features, including up to 14 pre-stored logos, digital clock display, five user setup, DVI-D connection for use with presentation software and easy titling, and many more features.

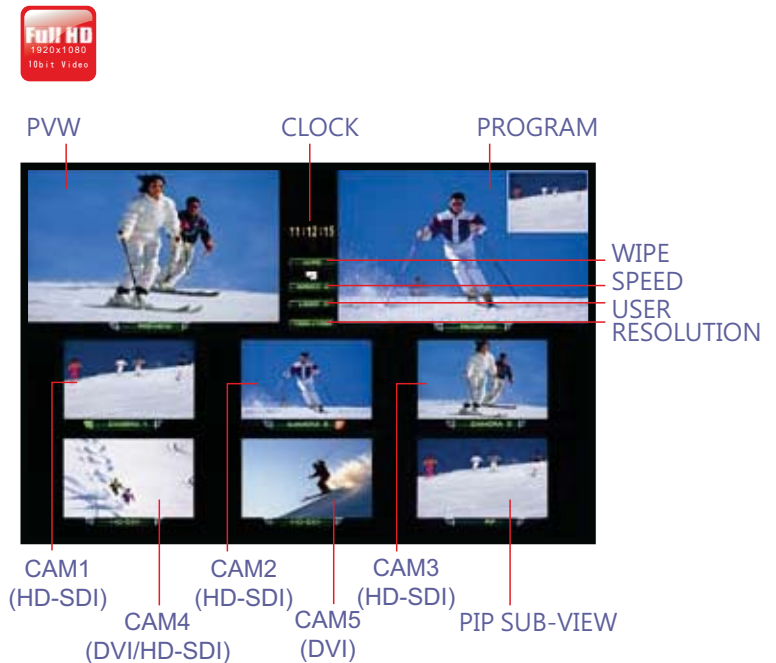
Whether you're working in worship, education or conducting a live outside broadcast or shooting inside a production studio, the Datavideo SE-2000 full HD video and audio switcher enables you to switch seamlessly between video and audio sources and blend high-quality digital content on the fly, even without external genlock, thanks to the built in TBC.



FEATURES

- FULL HD: 1920X1080i & 1280X720P
- Input:
 - 4x HD-SDI and 1x DVI-D input or 3x HD-SDI, and 2x DVI-D input (Options)
- Output:
 - PGM: Full HD output, HD-SDI and HD-YUV format
 - PVW: DVI-D
- PVW out with multi image and digital clock display
- DVI-D for power point presentation, simple title, support full HD input.
- LOGO insertion, allow up to 14 pre-store logos in up to 128 x 96 pixel resolution to be keyed
- 4 channel input audio mixers with XLR connectors.
- Audio / video synchronization switching
- LUMA key, real-time simple captions display
- PIP, FRZ, Black image
- 5 individual speed keys for instant selection with take effect
- 5 users preset memory
- Tally signal output
- RS-232 control
- DC 12V input
- 13Transition +border (width, soft and hard)

Multi images PVW out & Clock display



COVER PANEL



REAR PANEL



FEATURES

LOGO & Clock



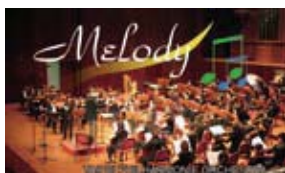
Audio Mixer, provide balanced audio inputs and outputs



Multi-image monitoring



CG Overlay



Audio follow video synchronization switching



+48V XLR Microphone



Speed key & Take



RS-232 & Tally Interface



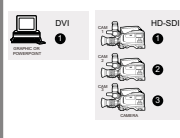
PIP



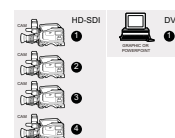
DC IN 12V 4A



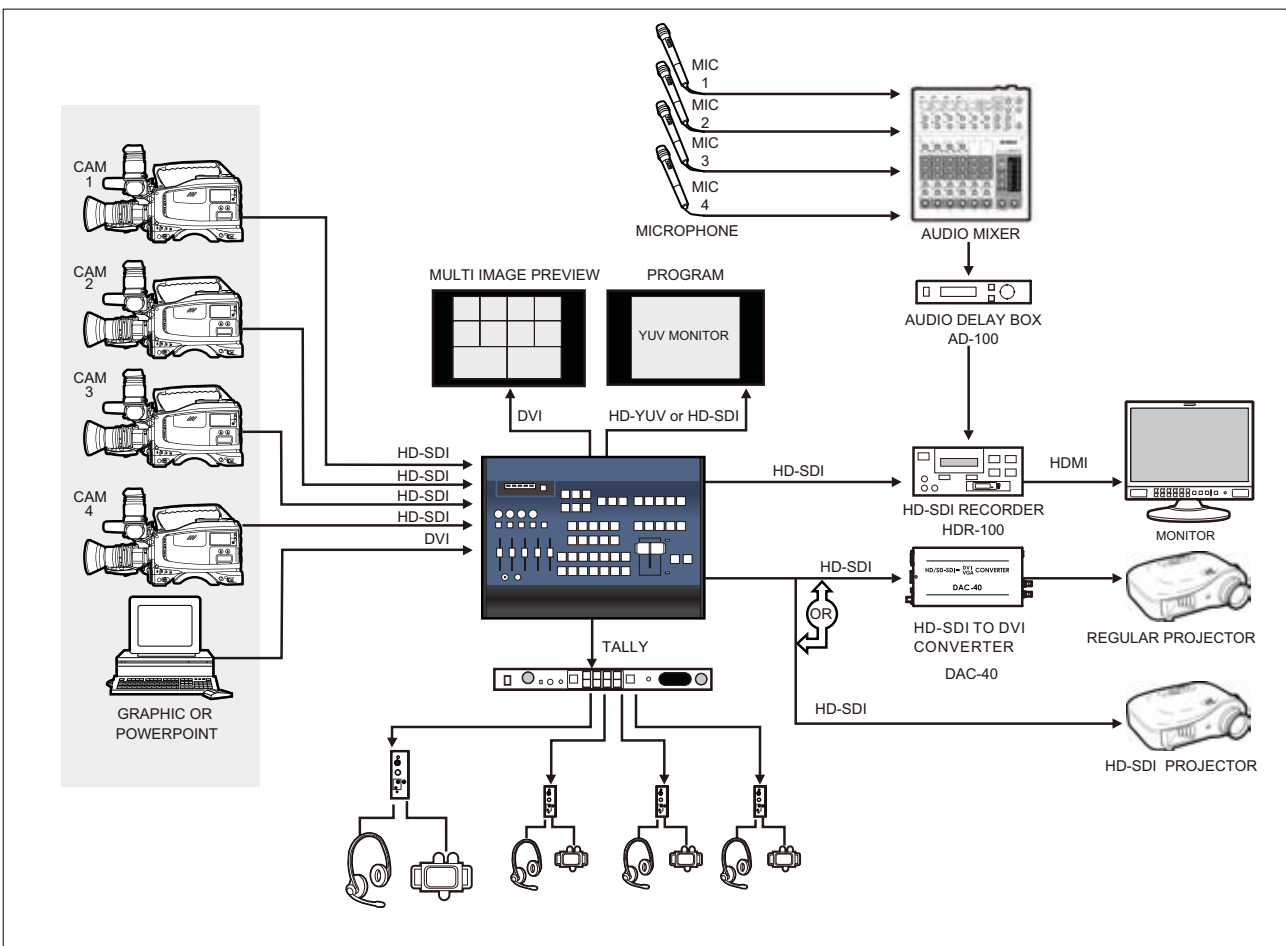
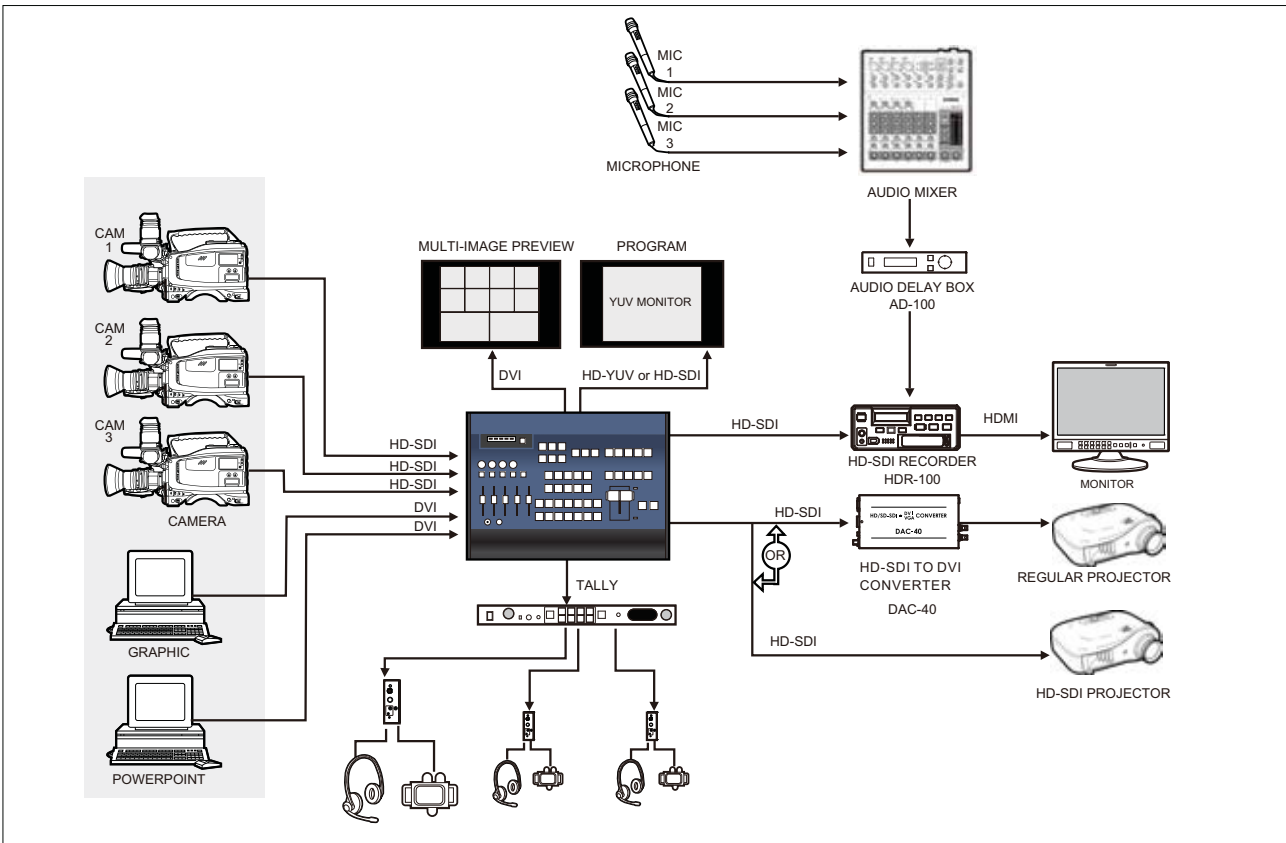
Selectable inputs: 3HD-SDI+2DVI



4HD-SDI+DVI



SETUP DIAGRAM



SPECIFICATIONS

Input:

- 4 x BNC connector for HD -SDI input
+ 1 x DVI-D input or
3 x BNC connector for HD -SDI input
+ 2 x DVI-D input
- Output: 2x HD-SDI output,
1x HD-YUV output, and 1x DVI-D output
- Program output:
- 2x HD-SDI output, 1x HD-YUV output
- Preview output
- 1x DVI-D output
- Multi image display in PVW output:
- PVW output includes 6x monitoring,
1x PVW and 1x PGM

Audio:

- 4-CH XLR balanced audio input separate channel,
- 2-CH XLR balanced audio output.
- Switchable Line and MIC mode for input Audio

HD-SDI signal:

- Complied with SMPTE 292M standard
- Output return loss :
More than 15 dB (5MHz to 750MHz)
More than 10 dB (750MHz to 1.5GHz)
- Output level : 0.8 Vpp ± 10%
- Rise time : Less than 270 ps
- Fall time : Less than 270 ps
- Difference between rise time and fall time within 100 ps
- Alignment jitter : Less than 0.2 UI
- Timing jitter : Less than 1.0 UI
- Eye aperture ratio : More than 90%
- DC offset : 0 ± 0.5V
- Equalizer use 5C-FB cable support 100 meters
- HD-YUV Output:
- Bandwidth 30MHz < +/- 3dB
- S/N Ratio > 50 dB
- DG <3 degree, DP <3%
(Base on U, V signal analyze)
- Audio:
- Bandwidth 20~20KHz < +/- 3dB
- S/N Ratio > 70 dB
- THD. < 0.1%
- Support Inter Gen-Lock for the input videos

SE- 2000 Unit Dimensions

- Width: inches/ 429 mm
- Depth: inches/ 330 mm
- Height: inches/ 85 mm
- Net Weight: lbs/ 3.7 Kgs
- Power Supply: 110/220V
- Input: 100-240V, 50-60HZ
- Output: 12V/4A

RESOLUTION

INPUT

1920*1080

50i
60i
59.94i

1280*720

50P
60P
59P

OUTPUT

1080i

720P

ACCESSORIES (OPTIONAL)

16:10



TLM-170
17" TFT LCD HD & SD
monitor



HDR-100
HD/ SD HDD Recorder



HDR-200
HD/ SD HDD Recorder



DAC-40
HD/SD-SDI To DVI/VGA
Converter



DAC-9
HDMI to HD/SD-SDI
Converter



AD-100
Audio Delay Box



CB-10
9ft HD YUV Cable



CB-19
5.4ft DVI-D Cable



CB-20
5.4ft DVI to HDMI Cable



CB-21
5.4ft DVI-I to VGA Cable

Datavideo Distributor / Reseller: