

## ✚ DIGITAL SD SWITCHER

# SE-900



Multi Image preview output



Datavideo SE-900 is a modular 8-channel SD switcher with a feature set that may be expanded with additional input cards and accessories. The two piece unit consists of a 19-inch rack mountable main frame, that holds up to 8 input cards, and a control panel. The modular switcher accepts a mix of 8 SD input of your choice including DV, SDI, DVI, YUV and Composite Video. Standard outputs include DV, SDI, YUV, S-Video (Y/C) and Composite Video. SE-900 features a built in frame synchroniser and TBC for each channel for flicker free switching

between all 8 inputs - in any format. Optional genlock input card is available for genlock to existing house reference. The preview output includes both next source and next effect, enabling the producer to preview any effects in confidence before "going live" SE-900 features a down stream keyer for easy integration with character generator software such as Data-video CG-100. To accommodate for any delay in DV or SDI equipment SE-900 includes an audio delay function as well as a DV/SDI audio embedder.

## FEATURES

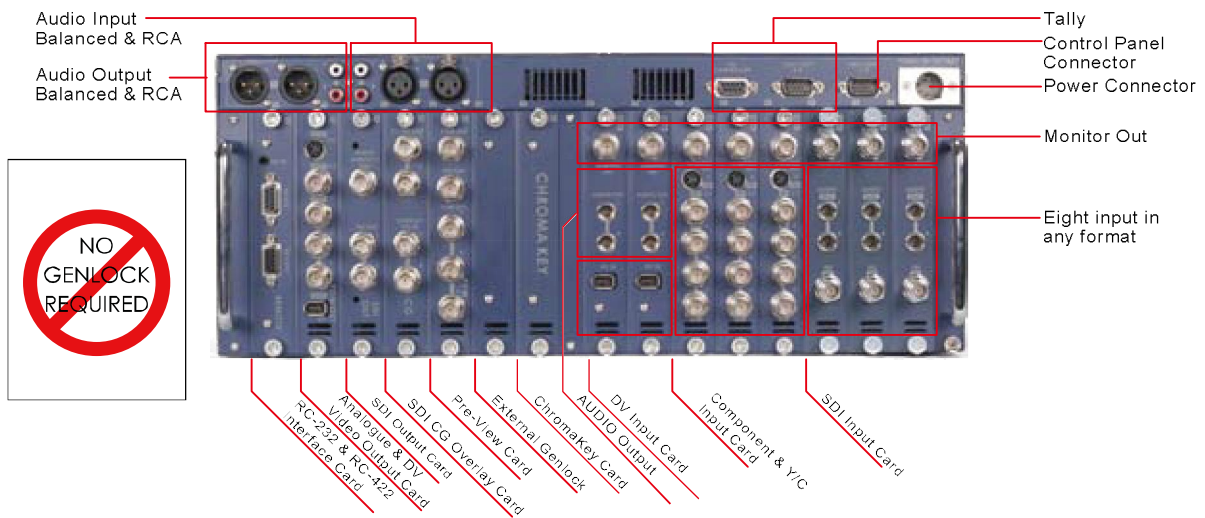
- Up to 8 inputs available for any format including SDI, DV, DVI, YUV, Composite Video
- Outputs include SDI, DV, YUV, S-Video (Y/C) & Composite Video
- Multi image preview panel allows the producer to monitor all live sources (up to 8 input) as well as Program & Next source
- Easy adjustable audio delay for perfect video/audio sync with DV & SDI sources
- SDI Audio embedder
- Audio input & output includes RCA (phono) and balanced audio via XLR
- Optional dual chromakeyer,

- where each keyer can accept two foreground inputs and two background inputs.
- Picture in Picture
- Tally output
- GPI & RS-232 control interface for integration with existing equipment
- SDI Graphics overlay interface for optimal quality of character generator software such as Datavideo CG-100.
- No genlock is required for flicker free switching thanks to the built in frame synchronisers and TBCs

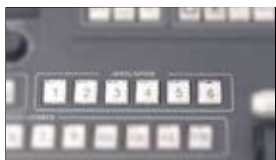
### CONAL PANEL VIEW



### BASE UNIT REAR VIEW



### FEATURES



Six pre-set keys, enabling the producer to set AUTO Take, Key or other pre-event.



Quick key for selection of Fade to Black



Joystick for RGB control or PIP position



Effect selector including PiP, Mosaic, Paint, Chromakey, Logo insert and much more



The bright LCD Screen ensures easy and confident navigation of multi functions for the producer in a live situation.



Ten quick selection keys for pre-set events & effects. Makes it easy to pre-program frequently used special effects.



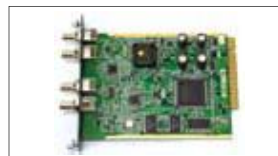
Internal or External sync can be easily selected.



Easy installation of optional cards including SDI, DVI, Down Stream Keyer, Genlock in and more



Built in audio delay. Corrects delay when working with DV or SDI signals



SDI Overlay for optimal quality using Data-video's CG-100 character generator software and Blackmagic Design™ DeckLink™ Card

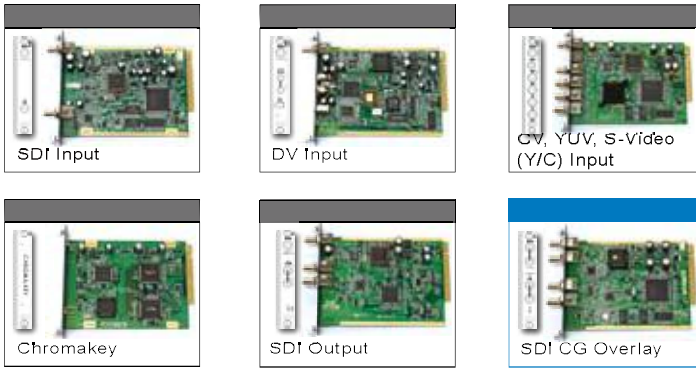


Analogue Video input card. The built in TBC ensures perfect synchronising of non genlocked signals.



2 x Tally interface

Optional Boards

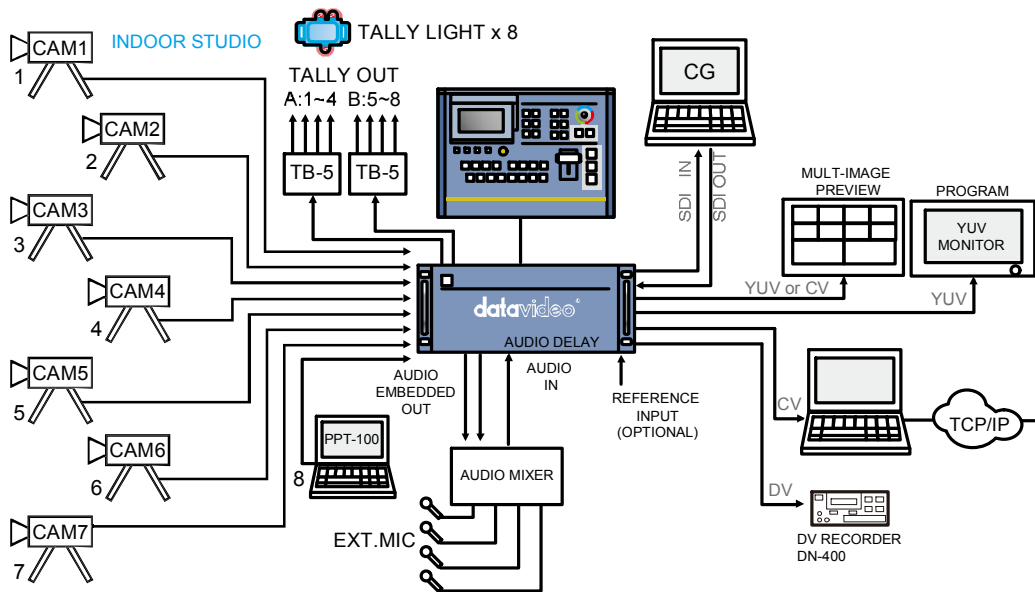


Optional converters

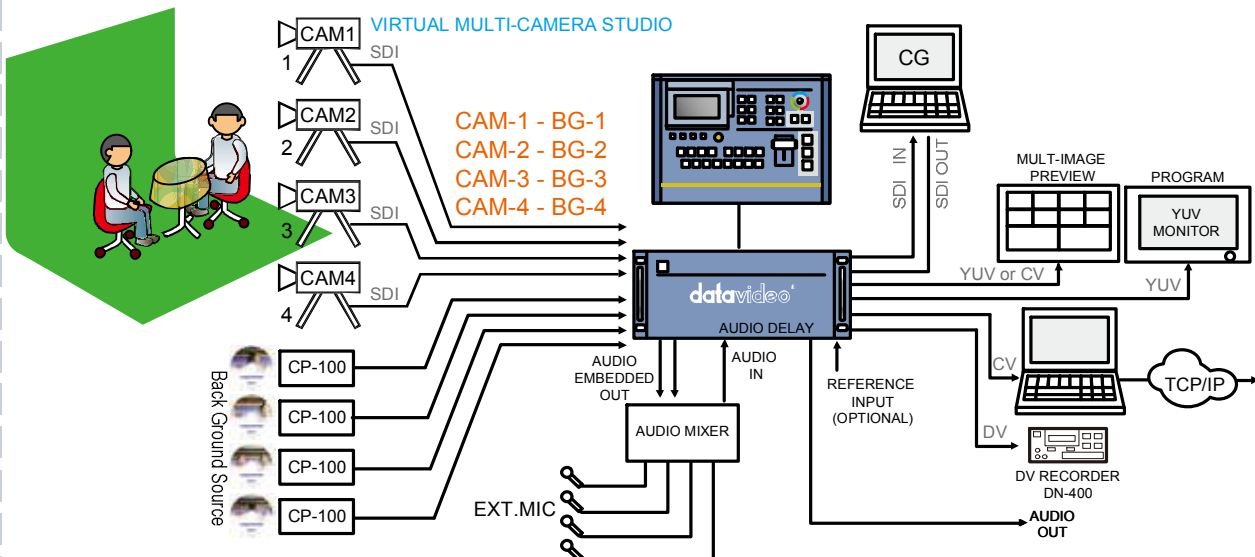


Application & Setup Diagram

Studio System Setup



Chromakey Studio Setup



## SPECIFICATIONS

### Video Input

Up to eight input in any format, choose between SDI, DV, Analogue Y:U:V, Composite Video & Y/C ( S-Video) as well as DVI-I

### Audio Input

Both Balanced XLR and RCA with audio delay for perfect sync with DV or SDI video Sources.

### Audio Delay

Adjustable for accurate sync between -16 to +1 frame

### Video Output

Simultaneous SDI, DV, Component Y:U:V, S-video(Y/C) and Composite Video output. Additional output options include; SDI with embedded audio

### Audio Output

RCA (Phono) and Balanced XLR  $\pm 12Vp-p$

### Preview Output

Each input includes a Composite output, as well as a unique multi-image preview

### CG Overlay

SDI Graphics overlay interface using Datavideo CG-100 utilising Blackmagic Design™ DeckLink Card™

### Plus internal DSK

### Remote Control

RS-422 & RS-232 & GPI

### Tally interface

D-SUB 15-PIN Group A 1-4 input, group B 5-8

### Video Correction

Video correction for each channel include; brightness, contrast, saturation and white balance.

### 6 selectable transition speeds

### FTB key - Short Cut Key - Fading to black

### 10-Pre-event preset keys

### 6 advanced ZOOM effects

### Digital Effects:

A/B Roll, A/B Dissolve, PiP, Border Line, Art Paint, Mosaic and more the 50 digital effects.

### Power

DC12V 10A

### Dimensions

Main Unit 430 wide x 350 high x 17.6 deep (mm)  
Control Panel 430 wide x 310 high x 95 deep (mm)

### Weight

Main Unit	11.4KG
Control Panel	2.6KG

## SE-900 ACCESSORIES



TLM-700

7" TFT LCD Monitor



TLM-70D DV INPUT

7" TFT LCD Monitor with DV In & Out



TLM-702

2 x 7" TFT LCD Monitor Bank



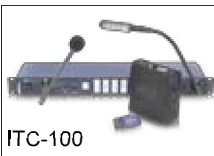
TLM-404

4 x 4" TFT LCD Monitor Bank



DN-400

Digital Video Recorder



ITC-100

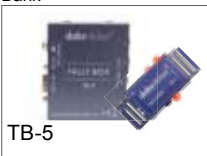
8-channel intercom talk back system



1 to 1 Repeater  
VP-314

1 to 5 Repeater  
VP-332

DV Repeaters for long DV cable run or Distribution of DV signal



TB-5

Tally box and Tally light for camera tally



PPT-100

VGA TO DV Scan Converter Software, convert VGA to DV signal



CG-100

SDI Character Generator software, utilising Blackmagic Design™ DeckLink Card™



DAC-7

YUV to SDI Converter



CB-14

3 meters HD/SD YUV Cable



CA-64

6-Pin to 4-Pin DV adapter



CB-1

50 meter tally light extension cable between ITC-100 & ICT-100SL



1066/2066™

10/20 meter DV Cable. Cable run can be extended to over 160 meter by combining 2060 with several VP-314