

Digital Video Switcher

SE-600



Quick Start Guide

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Warnings & Precautions

1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit in or near water.
5. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
6. Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
8. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.
9. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord's rating.
10. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.
11. Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.
12. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.
13. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:
 - a. When the power cord is damaged or frayed;
 - b. When liquid has spilled into the unit;
 - c. When the product has been exposed to rain or water;
 - d. When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;
 - e. When the product has been dropped or the cabinet has been damaged;
 - f. When the product exhibits a distinct change in performance, indicating a need for service.

What's in the box?

1	x	AC Cord
1	x	AD Switch 12V / 2.5A
1	x	SE-600 Instruction Manual

Introduction

Nowadays, HD live program production is the trend and will be popular in the world. But, there are still lost of SD products in market and used in lots of people. To fulfil and give a more cost effective with excellent features, Datavideo provides an eight inputs SD switcher. 6 Composite video + 2 DVI-D input with 2 PIP, Luma key and DV out. SE-600 is a perfect switcher that supports analog input, high compatibility with PC. Real time video application with broadcast grade, effect and functions are useful for user. In addition to above advantages, SE-600 is also an affordable price switcher that you never meet.

Features

■ Input

- Video: 6 composite video + 2 DVI-D

■ Output

- Preview out: DVI-D for Multi-Viewer with clock and audio level indicator (Multi-viewer output same quality as SE-900 new multi-viewer board)
- Main out: CVBS x 3 (recorder/ program out/ streaming)
- Aux out: CVBS x 2
- DV Out 1394 x 2 (optional)

■ Effects

- Wipe and dissolve
- PIP: 2 of PIP effects
- Luma key x1
- LOGO: up to two logo display on the same screen
- One frame still store memory as a source
- SMPTE pattern out

■ Controls: (rubber key)

■ Special control keys

- Fade to solid color (background color can be selected)
- Instant speed key up to 5 keys, speed can be programmed
- AUX source keys

■ RS422

■ GPI Trigger out: trigger the external video player with “delay transition effect. The delay time can be adjusted

■ GPI trigger in

■ Tally out

■ SD card interface for update software & LOGO and animation

- SW Upgrade
- Logo
- Animation
- Still Frame

■ Power input: DC 12V

■ Color and white balance correction

■ OSD Display

■ Audio Mixer:

- Input: 2 XLR with MIC (48V) In, 2 RCA Line In
- Output: 2 XLR, 2RCA
- LED audio-level indicator
- Audio follow video switch (A+V)

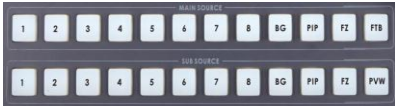
Connections & Controls

Front Panel



- 1. Main / Sub Source
- 2. AUX Source
- 3. Headphone Volume Control
- 4. Audio Mixer
- 5. Audio Meters
- 6. Special Effects

- 7. Effects
- 8. Transition
- 9. Speed/ Level
- 10. Cut & Take
- 11. T-Bar



MAIN SOURCE

Used to select which of the four video input channels or background is sent to the Main video output. For more information, see **Video Source**(Page 10).

SUB SOURCE

Used to select which of the four video input channels or background will be transitioned to or used as a sub source in an effect.

BG

Background Colour sets the background colour for use on the Main and Sub Source Rails.

PIP

Picture In Picture can be set up in one of four preset positions, or manually moved to any position on the screen.

FZ

Freezes the current PST or PGM image until toggled off.

FTB

FTB - Stands for Fade To Black. This is on the Main Source Rail only. Pressing FTB will fade the PGM output to black. To fade back up to video you need to press the key again.

PVW

Stands for Preview. This is on the Sub Source Rail only. When you press the PVW Key you will see the active transition or effect previewed in the PST window.



AUX SOURCE

- Step.1 - Select **AUX1 SEL** or **AUX2 SEL** key.
- Step.2 - Select **SUB** or **MAIN** key on the right side.
- Step.3 - Select **Channel 1~8** (If step.2 select **MAIN**, place select **Channel 1~8** or **BG** on **MAIN SOURCE**).
- Step.4 - Select **AUX1 SEL** or **AUX2 SEL** key to finish **Aux Source** setting.



HEADPHONE VOLUME CONTROL

Controls Headphone level and signal(s) present at the Headphone jack Level is controlled by the rotary knob.



AUDIO MIXER

These CH1, CH2, AUX Audio Level are control CH1, CH2, AUX audio output mix.

MASTER

Sliders to control audio levels for the Main audio output mix.

These faders correspond to the selector buttons above and control the relative volume of each input in the master output as well as the master output level. They are called faders because they are used to decrease (rather than increase) the signal levels to make a balanced and pleasing mix.

When they are set at Unity, they pass the audio signal through at the same level it was at when it entered this bus. This is why level setting at the Input Bus is so important.



AUDIO METERS

LED style meters, which show the signal strength at the Audio Output. The signal they measure is determined by the sources selected by the Audio Bus selectors and the levels set by the Faders.

These meters show the audio signal level at the Main output. The strength of any audio signal that is routed to the output will be displayed here. As mentioned above, these meters play a vital part in correctly setting the audio levels to avoid clipping or other distortion.

AUDIO MONITOR

Use the Headphone section to accurately monitor any of the sources CH1, CH 2, AUX or “Master” output. Repeated presses of the Headphone button cycle through the monitoring choices. In many cases, headphones may be a more useful and accurate choice than speakers for audio monitoring.

A+V

When this button is engaged (you’ll know it is engaged because the LED is lit), the audio associated with a selected input source automatically follows the video through the dissolve. When the button is inactive, audio must be switched manually. For more information, see **A+V** ([Page 10](#)).



LUMA KEY PVW

When this button is engaged, the LUMA key function will display on next source preview (PST).

LUMA KEY ON

When this button is engaged, the LUMA key function will display on output (PGM).

PIP 1 / 2 ENABLE

When this button is engaged, the PIP 1/2 function can be display on PST or PGM.

LOGO 1 / 2 ON

When this button is engaged, the LOGO 1 / 2 will display on PST or PGM.

F1

This button is lock frame. You can lock the video frame on the Main or Sub Source.

If you want Freezes new video frame, please press F1 button, unlock last frame picture.

F2

TBD



Transition

16 effect keys, for more information, see **Transition Effects** ([Page 11](#)).



EFFECTS

Menu button is SE-600 functions configuration and setting, press the up, down, left, right arrow button move to another control, and **ENTER** button to confirm the setting.

LOGO SETTING / PIP SETTING / LUMA KEY SETTING

These three buttons is swift button, let you can setting these function instantly.

MOSAIC

Press the MOSAIC Key to activate the MOSAIC Effect.

The MOSAIC effect can be set to six different levels using the BDR Keys. You will see the effect in the PST window.

PAINT

Press the PAINT Key to activate the Paint Effect.

The Paint effect can be set to six different levels using the BDR Keys. You will see the effect in the PST window.

B/W

Press the B/W Key to activate the black and white Effect.

USER 1 / USER 2

Press the **USER 1** Key to search the DVI 7 signal again.

Press the **USER 2** Key to search the DVI 8 signal again.

BG CLR

You can select BG CLR if you want to display a background screen. The background can be set to one of eight different colours, colour bars or framing lines. The Status Display will indicate the active background. The background can be changed using the BG Colour Key.

BDR CLR

A wipe can be given a coloured edge or border. The border can be one three widths, and one of eight colours.

The Border Width and Colour are indicated in the Status Display.

You can set the Border width by repeatedly pressing the **BDR** Key - The Status Display will show the following options:

BORDER =	No Border
BORDER = N "Color"	Narrow Border
BORDER = M "Color"	Medium Border
BORDER = W "Color"	Wide Border

You can set the Border Colour by repeatedly pressing the **BDR CLR** Key - The Status Display will show the following options in sequence:

BLACK - BLUE - RED - MAGENTA - GREEN - CYAN - YELLOW - WHITE



Speed / Level

Selectable of five different speeds or level for transition effect.



CUT

Change the main/sub source immediately.

TAKE

Take the effect by preset speed.



T-Bar

The T-Bar is used to carry out a manual transition such as a wipe, fade, mix or key. When it has travelled as far as it can go the transition is complete.

Audio Inputs and Levels

These Audio Input Channel Selectors and Level pots are the first stage in the audio signal path. Each channel carries the audio associated with a video input. Analog audio comes in through the RCA connectors on the rear panel; audio from the XLR input is converted to analog and passed to this bus.

A+V



When this button is active, the audio follows the video through a transition. When the transition is a cut, the audio will switch abruptly at the same time.

Try this: With A+V engaged, select channel B on the Main Source bus (of course, you must have a valid video and audio source at this input!). Notice that channel B is lit in the Audio Input section. Now, select channel A on the Sub Source bus. Work the T-Bar to manually perform a transition (if no specific transition is selected, the sources will dissolve) and watch Audio Input Source channel change from B to A, following the video.

When this feature is not engaged, you can select which of the 4 Audio input channels will be applied to the Video bus at the Fader. In fact, you have to select one or more of the channels, or there will be no audio present at the Video bus.

This button should be inactive while doing beginning-of-session level setting so that you can select an input and adjust the level.

Video Source

Selecting the Main and Sub Video Sources is the first thing to do when setting up the SE-600.

The source you select (by pressing one of the buttons; a bright red LED on the selected button lights for confirmation) on the Main Source bus is what is sent to the Video output. This means that you can perform cuts between sources by simply pressing different buttons. (If A+V is engaged, video and audio from the selected source will switch together. See **A+V** for more details on this function.)

The Sub Source selection determines which input will be transitioned to when using any of the transition controls and provides the video for Picture in Picture and Chroma Key functions.

Transition Effects



Left to Right



Right to Left



Bottom to Up



Top to Bottom



Middle extend Inside Out (U/D)



Middle extend Outside In (U/D)



Middle extend Inside Out (L/R)



Middle extend Outside In (L/R)



Left High to Right Down



Right Down to Left High



Left Down to Right High



Right High to Left Down



Add a border to certain effects such as Wipes.

You can select between three border widths, N (Narrow), M (Medium) and W (Wide), simply by repeatedly pressing the BDR Key.

The active width and colour is indicated in the Status Display



Inside Out

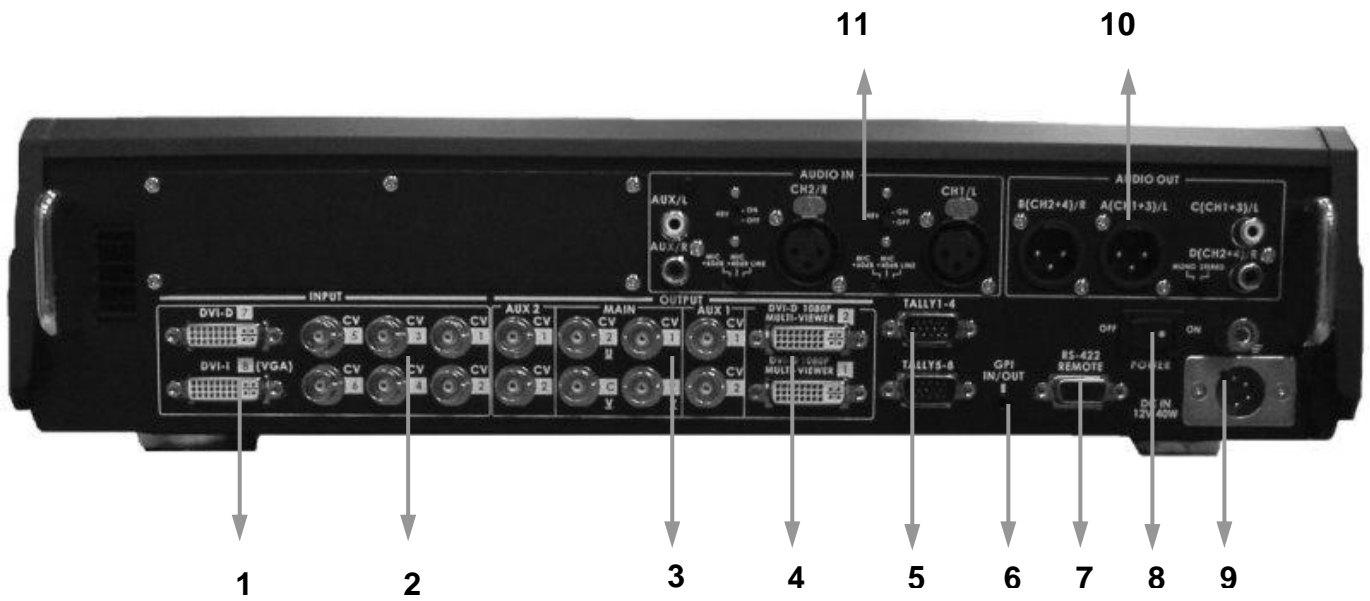


Outside In

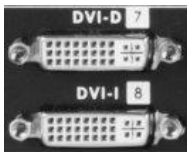


A/B Dissolve

Rear Panel



- | | |
|---------------|------------------|
| 1. DVI Input | 7. RS-422 |
| 2. CV Input | 8. Power |
| 3. CV Output | 9. DC In |
| 4. Multi View | 10. Audio Output |
| 5. Tally | 11. Audio Input |
| 6. GPI | |



DVI-D Input

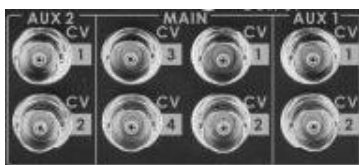
DVI-D digital signal input connector.

DVI-I digital signal input connector.



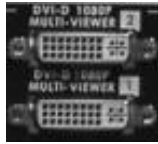
CV Input

Composite video input: takes a BNC connector from the composite output of a VCR, camera, DVD player, etc.



CV Output

Composite video output: BNC connector typically connected to a program monitor.



Multi View

DVI-D digital signal preview output connector.



TALLY

Tally out socket. This supplies tally light information up to eight buttons of main source, and other eight button of sub source.



GPI

The GPI socket can be used for simple external control.



RS-422

9-pin serial port standard RS-4 22 interface.



POWER

Switches the power On / Off.



DC IN

DC in socket connect the supplied 12V 5A PSU to this socket. The connection can be secured by screwing the outer fastening ring of the DC In plug to the socket.



AUDIO OUT

Supports two channels XLR Balanced Audio output.

RCA stereo pairs of line level analog audio output.



AUDIO IN

RCA stereo pairs of line level analog audio input.

Supports two channels XLR Balanced Audio Input.

Two kinds of switches under **AUDIO IN**:

LINE/MIC switch is set the audio line in or MIC in, when you use LINE in please also set the **48V ON/OFF** switch off to preventing burn-out the device.

48V ON/OFF switch is set the phantom power on/off, if you want to use MIC in, please set **LINE/MIC** switch under MIC first, and then use condenser microphone please turn on the **48V ON/OFF** switch, if use dynamic microphone please turn off the **48V ON/OFF** switch.

Effects



Press on the **MENU** button for system configuration, press the **UP**, **DOWN**, **LEFT**, **RIGHT** button to select an item and press the **ENTER** to confirm the setting.

SETTING

1: COUNT_DOWN_TIME

- Press the **SETTING** button and then press arrows button to select **COUNT_DOWN_TIME** item
- Press the **ENTER** to confirm the setting
- **CONUT_DOWN TIME** - setting count down time (00:00~59:59)

1: COUNT_DOWN_TIME	[COUNT_DOWN TIME SETTING]
2: PIP	1 : COUNT DOWN TIME = 00:14
3: CG (LUMA KEY)	ESCAPE
4: LOGO	
5: VIDEO IN & OUT	
6: AUDIO MIXER	
7: MULTI. IMAGE	
8: SYSTEM	
9: STORE RECALL & UPDATE	
10: RESET DVI_IN	
ESCAPE	

* After SE-600 firmware upgrade, you need to reload your (logo, background, name...etc) files to SE-600.

2: PIP

- Press the **SETTING** button and then press arrows button to select **PIP** item.
- Press the **ENTER** to confirm the setting
- **PIP Source** - select PIP source (CH_1~CH_8)
- **PIP Size** - select PIP size (big or small)
- **PIP Border** - select Border size (N, M, W or No Border)
- **PIP Position** - adjustment position (X:88~170 : Y:80~176)
- **PIP background** - select PIP background channel (CH_1~CH_8 or BG)

If you want to enable the PIP function, you must first press the PIP1 ENABLE / PIP2 ENABLE key in the SE-600 keyboard,

The PIP window will appear on the PREVIEW and PROGRAM displays when PIP buttons are lit on the SE-600's Keyboard.

1: COUNT_DOWN_TIME	
	[PIP SETTING]
	1. PIP_1 Source : CH/_1
	2. Size : SMALL,
	3. border : M , GREEN
	4. position : X = 096 , Y = 080
2: PIP	5. PIP_2 source : CH_2
	6. size : SMALL,
	7. border : M , CYAN
	8. position : X = 158 , Y = 080
	9. PIP background : CH_3
	ESCAPE
3: CG (LUMA KEY)	
4: LOGO	
5: VIDEO IN & OUT	
6: AUDIO MIXER	
7: MULTI. IMAGE	
8: SYSTEM	
9: STORE RECALL & UPDATE	
10: RESET DVI_IN	
ESCAPE	

3: CG (LUMA KEY)

- Press the **SETTING** button and then press arrows button to select **CG (LUMA KEY)** item
- Press the **ENTER** to confirm the setting
- **SOURCE** - select CG source channel (CH_1~CH_8 or BG)
- **KEY LEVEL MAX.** - adjustment range from 20 to 255
- **KEY LEVEL MIN.** - adjustment range from 0 to 255
- **TRANSPARENT PT.** - adjustment range from 0 to 255
- **TRANSPARENCY** - adjustment range from 0 to 100
- **PIP Background** - select background channel (CH_1~CH_8)
- **WINDOW LEFT_TOP**- adjustment position (X:0~720 ; Y:0~480)
- **WINDOW RIGHT_BOTTOM** - adjustment position (X:0~720 ; Y:0~480)

1: COUNT_DOWN_TIME	
2: PIP	
	[LUMA KEY SETTING]
	1. SOURCE = CH_8
	2. KEY LEVEL MAX. = 240 (OFF WHITE)
	3. KEY LEVEL MIN. = 20 (OFF BLACK)
3: CG (LUMA KEY)	4. TRANSPARENT PT. = 20 W [■■■■■---] B
	5. TRANSPARENCY = 0
	6. WINDOW LEFT_TOP = X=720 ,Y=486
	7. WINDOW RIGHT_BOTTOM = X=720 ,Y=486
	ESCAPE
4: LOGO	
5: VIDEO IN & OUT	
6: AUDIO MIXER	
7: MULTI. IMAGE	
8: SYSTEM	
9: STORE RECALL & UPDATE	
10: RESET DVI_IN	
ESCAPE	

4: LOGO

- Press the **SETTING** button and then press arrows button to select **LOGO** item
- Press the **ENTER** to confirm the setting
- **SOURCE** - select LOGO source channel (CH1~CH8, BG or LOGO FILE)
- **LOGO POSITION** - adjustment position (X:1~147 ; Y:1~119)
- **KEY LEVEL MAX.** - adjustment range from 20 to 255
- **KEY LEVEL MIN.** - adjustment range from 0 to 255
- **TRANSPARENT PT.** - adjustment range from 0 to 255
- **TRANSPARENCY** - adjustment range from 0 to 100
- **PIP Background** - select background channel (CH_1~CH_8)
- **WINDOW LEFT_TOP**- adjustment position (X:0~720 ; Y:0~480)
- **WINDOW RIGHT_BOTTOM** - adjustment position (X:0~720 ; Y:0~480)

1: COUNT_DOWN_TIME		
2: PIP		
3: CG (LUMA KEY)		
	[LOGO No. SELECT]	[LOGO 1 SETTING (LUMA KEY)]
	1:LOGO_1	1. SOURCE = CH3
	2:LOGO_2	2. LOGO POSITION X= 10 ,Y= 11
	ESCAPE	3. KEY LEVEL MAX. = 240 (OFF WHITE)
4: LOGO		4. KEY LEVEL MIN. = 20 (OFF BLACK)
		5. TRANSPARENT PT. = 20 W [■■■■■■■-] B
		6. TRANSPARENCY = 0
		7. WINDOW LEFT_TOP = X=000 ,Y=000
		8. WINDOW RIGHT_BOTTOM = X=720 ,Y=486
		9. COPY LOGO FILE. = LOGO_1
		ESCAPE
5: VIDEO IN & OUT		
6: AUDIO MIXER		
7: MULTI. IMAGE		
8: SYSTEM		
9: STORE RECALL & UPDATE		
10: RESET DVI_IN		
ESCAPE		

5: VIDEO IN & OUT

- Press the **SETTING** button and then press arrows button to select **VIDEO IN & OUT** item
- Press the **ENTER** to confirm the setting
- **VIDEO CH.** - select video Channel (IN_1~IN_8)
- **INPUT_TYPE** - select input type (CV)
- **BRIGHTNESS** - adjustment range from 0 to 102(under 1080i)
- **CONTRAST** - adjustment range from 113 to 0(under 1080i)
- **SATURATION** - adjustment range from 113 to 0(under 1080i)
- **RGB CORRECTION** - adjustment range from 0 to 70(under 720p)
- **AGC** - set AGC ct background channel (CH_1~CH_8)
- **7.5IRE** - adjustment range from 0 to 102(under 1080i)
- **OUTPUT MODE** - select output mode (CV*2 + Y/C) or (CV + Y/U/V)

```

1: COUNT_DOWN_TIME
2: PIP
3: CG (LUMA KEY)
4: LOGO

                    VIDEO CH.      : IN_1
                    1: INPUT_TYPE  = CV
                    2: BRIGHTNESS  = +00
                    3: CONTRAST    = +00
                    4: SATURATION  = +00
5: VIDEO IN & OUT    5: RGB CORRECTION: X_+00 Y_+00
                    6: AGC         = ON
                    7: 7.5 IRE    = NC.
                    ESCAPE

6: AUDIO MIXER
7: MULTI. IMAGE
8: SYSTEM
9: STORE RECALL & UPDATE
10: RESET DVI_IN
    ESCAPE

```

```

1: COUNT_DOWN_TIME
2: PIP
3: CG (LUMA KEY)
4: LOGO

                    [VIDEO OUTPUT SETTING]
                    1: OUTPUT MODE = CV*2 + Y/C
                    ESCAPE

5: VIDEO IN & OUT

6: AUDIO MIXER
7: MULTI. IMAGE
8: SYSTEM
9: STORE RECALL & UPDATE
10: RESET DVI_IN
    ESCAPE

```

6: AUDIO MIXER

- Press the **SETTING** button and then press arrows button to select **AUDIO MIXER** item
- Press the **ENTER** to confirm the setting
- **TONE_OUT** - select ON or OFF
- **TONE_LEVEL** - adjustment range from 20 to -40
- **CH1_DELAY_TIME** - adjustment range from 0 to +18
- **CH2_DELAY_TIME** - adjustment range from 0 to +18
- **AUX_DELAY_TIME** - adjustment range from 0 to +18
- **CH1_GAIN_TIME** - adjustment range from 0 to +18
- **CH2_GAIN_TIME** - adjustment range from 0 to +18
- **AUX_GAIN_TIME** - adjustment range from 0 to +18
- **VIN CH1 SELECTION** - select audio CH1 / CH2 / AUX follow video.
- **VIN CH2 SELECTION** - select audio CH1 / CH2 / AUX follow video.
- **VIN CH3 SELECTION** - select audio CH1 / CH2 / AUX follow video.
- **VIN CH4 SELECTION** - select audio CH1 / CH2 / AUX follow video.
- **VIN CH5 SELECTION** - select audio CH1 / CH2 / AUX follow video.
- **VIN CH6 SELECTION** - select audio CH1 / CH2 / AUX follow video.
- **VIN CH7 SELECTION** - select audio CH1 / CH2 / AUX follow video.
- **VIN CH8 SELECTION** - select audio CH1 / CH2 / AUX follow video.

- 1: COUNT_DOWN_TIME
- 2: PIP
- 3: CG (LUMA KEY)
- 4: LOGO
- 5: VIDEO IN & OUT

[AUDIO MIXER SOFGING-1]

- 1: **TONE_OUT** = OFF (ON/OFF)
- 2: **TONE_LEVEL** = +04 dBu (20~-34) (XLR)
- 3: **CH1_DELAY_TIME** = 81.0 FRAMES (0~18)
- 4: **CH2_DELAY_TIME** = 92.0 FRAMES (0~18)
- 5: **AUX_DELAY_TIME** = 5.5 FRAMES (0~18)
- 6: **CH1_GAIN** = 0 dB (0~+18)
- 7: **CH2_GAIN** = 0 dB
- 8: **AUX_GAIN** = 0 dB

6: AUDIO MIXER

[AUDIO MIXER SOFGING-2]

- | VIDEO SELECT AUDIO : | CH1 | CH2 | AUX |
|-----------------------|-----|-----|-----|
| 1.VIN CH1 SELECTION = | --- | --- | --- |
| 2.VIN CH2 SELECTION = | --- | --- | --- |
| 3.VIN CH3 SELECTION = | --- | --- | --- |
| 4.VIN CH4 SELECTION = | --- | --- | --- |
| 5.VIN CH5 SELECTION = | --- | --- | --- |
| 6.VIN CH6 SELECTION = | --- | --- | --- |
| 7.VIN CH7 SELECTION = | --- | --- | --- |
| 8.VIN CH8 SELECTION = | --- | --- | --- |

ESCAPE

- 7: MULTI. IMAGE
- 8: SYSTEM
- 9: STORE RECALL & UPDATE
- 10: RESET DVI_IN
- ESCAPE

7: MULTI. IMAGE

- Press the **SETTING** button and then press arrows button to select **MULTI. IMAGE** item
- Press the **ENTER** to confirm the setting
- **OUTPUT TYPE -**
- **BORDER BRIGHT** - adjustment range from 001 to 100
- **CAM1~8_NAME** - CAM1~8 channel name setting

1: COUNT_DOWN_TIME	
2: PIP	
3: CG (LUMA KEY)	
4: LOGO	
5: VIDEO IN & OUT	
6: AUDIO MIXER	
	[MULTI. IMAGESETTING-1]
7: MULTI. IMAGE	1:OUTPUT TYPE = 4:3
	2:BORDER BRIGHT = 001
	:NEXT PAGE
8: SYSTEM	
9: STORE RECALL & UPDATE	
10: RESET DVI_IN	
ESCAPE	

1: COUNT_DOWN_TIME	
2: PIP	
3: CG (LUMA KEY)	
4: LOGO	
5: VIDEO IN & OUT	
6: AUDIO MIXER	
	[MULTI. IMAGESETTING-2]
7: MULTI. IMAGE	1:CAM1_NAME=[CAM1]
	2:CAM2_NAME=[CAM2]
	3:CAM3_NAME=[CAM3]
	4:CAM4_NAME=[CAM4]
	5:CAM5_NAME=[CAM5]
	6:CAM6_NAME=[CAM6]
	7:CAM7_NAME=[CAM7]
	8:CAM8_NAME=[CAM8]
	ESCAPE
8: SYSTEM	
9: STORE RECALL & UPDATE	
10: RESET DVI_IN	
ESCAPE	

8: SYSTEM

- Press the **SETTING** button and then press arrows button to select **SYSTEM** item
- Press the **ENTER** to confirm the setting
- **GPI SETTING -**
- **SPEED KEY SETTING** - adjustment range from 2 to 90
- **SWITCH BRIGHTNESS** - adjustment switch brightness
- **TEST KEY -**

1: COUNT_DOWN_TIME	
2: PIP	
3: CG (LUMA KEY)	
4: LOGO	
5: VIDEO IN & OUT	
6: AUDIO MIXER	
7: MULTI. IMAGE	
8: SYSTEM	[SYSTEM SETTING]
	1: GPI SETTING
	2. SPEED KEY SETTING
	3. SWITCH BRIGHTNESS = <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	4. TEST KEY
	ESCAPE
9: STORE RECALL & UPDATE	
10: RESET DVI_IN	
ESCAPE	

1: COUNT_DOWN_TIME	
2: PIP	
3: CG (LUMA KEY)	
4: LOGO	
5: VIDEO IN & OUT	
6: AUDIO MIXER	
7: MULTI. IMAGE	
8: SYSTEM	[[SPEED SETTING]]
	1: SPEED1 = 2 FRAMS
	2. SPEED2 = 4 FRAMS
	3. SPEED3 = 8 FRAMS
	4. SPEED4 = 16 FRAMS
	5. SPEED5 = 32 FRAMS
	ESCAPE
9: STORE RECALL & UPDATE	
10: RESET DVI_IN	
ESCAPE	

9: STORE RECALL & UPDATE

- Press the **SETTING** button and then press arrows button to select **SYSTEM** item
- Press the **ENTER** to confirm the setting
- **STORE & RECALL -**
- **UPDATE** - select update mode
- **RESET ALL** – reset all PCB firmware

1: COUNT_DOWN_TIME		
2: PIP		
3: CG (LUMA KEY)		
4: LOGO		
5: VIDEO IN & OUT		
6: AUDIO MIXER		
7: MULTI. IMAGE		
8: SYSTEM		
9: STORE RECALL & UPDATE	1. STORE & RECALL	
	2. UPDATE	
	3. RESET ALL	(Press '▶' key 2 SEC.)
	ESCAPE	
10: RESET DVI_IN		
ESCAPE		

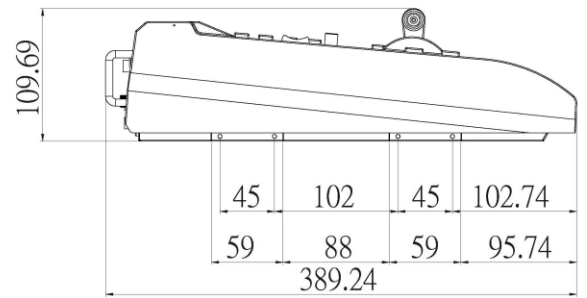
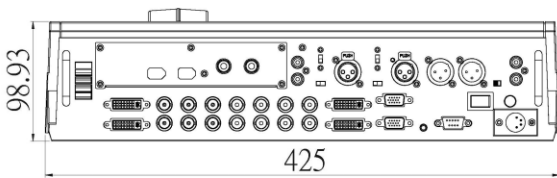
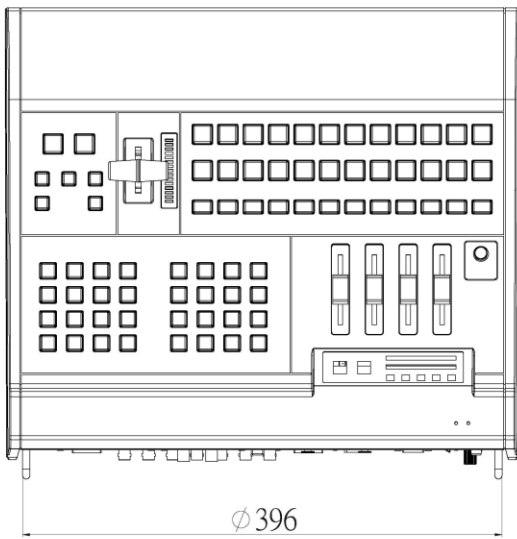
1: COUNT_DOWN_TIME		
2: PIP		
3: CG (LUMA KEY)		
4: LOGO		
5: VIDEO IN & OUT		
6: AUDIO MIXER		
7: MULTI. IMAGE		
8: SYSTEM		
9: STORE RECALL & UPDATE	Select update mode	NORMAL UPDATE:
	1: NORMAL (RECOMMENDED)	1: ALL
	2: DETAL	2: KEYBOARD
	3: READ	3: MAINBOARD
	ESCAPE	4: DV_I / O
		ESCAPE
10: RESET DVI_IN		
ESCAPE		

10: RESET DVI_IN

- Press the **SETTING** button and then press arrows button to select **RESET DVI_IN** item
- Press the key ◀ or ▶ can reset DVI_1/2 IN

1: COUNT_DOWN_TIME
2: PIP
3: CG (LUMA KEY)
4: LOGO
5: VIDEO IN & OUT
6: AUDIO MIXER
7: MULTI. IMAGE
8: SYSTEM
9: STORE RECALL & UPDATE
10: RESET DVI_IN
ESCAPE

Dimension



Specification

Video Inputs	<ul style="list-style-type: none"> · Composite Video * 6 · DVI-D * 1 · DVI-I * 1
Outputs	<ul style="list-style-type: none"> · Main out: CVBS *2(recorder/program out/streaming),Y/C or YUV *1 · Aux (1)out: CVBS * 2 · Aux (2)out: CVBS * 2 · DV Out: 1394 * 2(Optional), SDI * 2 (Optional)
IRE	0/7.5 IRE Options (NTSC only)
Effects	<ul style="list-style-type: none"> · Wipe and dissolve · PIP: 2 of PIP effects · Luma Key * 1 · LOGO: up to two logo display on the same screen · One frame still store memory as a source · SMPTE pattern out
Preview output	<ul style="list-style-type: none"> · 2 * DVI-D for Multi-Viewer with timer and audio level indicator (Multi-viewer output same quality as SE-900 new multi-viewer board) · Preview output include (6*CV in)+(2*AUX out) screen and (1*Preset)+(1*PGM out) screen · Resolution is 1920*1080p
Other Interface	<ul style="list-style-type: none"> · Serial D-Sub 9-pin x1 RS-422 · Tally Output D-Sub 15-pin x2
Audio	<ul style="list-style-type: none"> · Bandwidth 20~18KHz · S/N Ratio >70 dB (Line-in) · THD < 0.1%
Audio Mixer	<ul style="list-style-type: none"> · Input: 2 XLR with MIC (48V) In 2 RCA Line In · Output: 2 XLR , 2 RCA · LED audio-level indicator (for audio monitoring) · Audio follow video switch (A+V)
Operating Temperature	0°C to 40°C (32°F to 102°F)
Humidity	10% to 90% (non condensing)
Dimension	425 mm x 98.93 mm x 389.24 mm (Excluding protrusion)
Weight	Approx. 7 kg
Power	Input AC 100 ~ 240V Switching Adaptor, output DC 12V / 40W

Service & Support

It is our goal to make your products ownership a satisfying experience. Our supporting staff is available to assist you in setting up and operating your system. Please refer to our web site www.datavideo-tek.com for answers to common questions, support requests or contact your local office below.

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