

SVP603

6 Channel Video Processor

(Standard)

SVP603S With SDI Input

(Expanding)

Flexible, versatile LED video processor
Seamlessly switch any channel

- ▶ Seamlessly switch between any channel
- ▶ 6-channel digital-analog video input
(3 AV、1 DVI、1 HDMI、1 VGA)
- ▶ Support oversized splice 10x10
- ▶ Maximum output resolution
2304x1152 @ 60Hz, 2560x816@60Hz
- ▶ Pre-switching technology
- ▶ Signal detection function
- ▶ PIP function、P0P function
- ▶ Keying
- ▶ Mode save and recall
- ▶ A black screen and freeze key
- ▶ 16 test patterns



More video input - LED Video Processor 6-channel video input, 3 CVBS, 1 VGA, 1DVI, 1 HDMI, Basically covers the civil and industrial uses. All video input switching and enables fast cut and fade transitions.

Practical video output interfaces - LED Video Processor has three video outputs. 2 video output using two DVI outputs, including a VGA output and DVI outputs share one output connector. After these three videos are programmed to send output to the LED card or monitor.

Seamlessly switch between any channel -LED Video Processor can also seamlessly switch between any channels switching, the time adjustable from 0 to 3.0 seconds. With a fade transition effect, switch the input channel, so that the screen can be switched smoothly to the second screen. Using fast switching, switching input channels; you can instantly switch the video output.

Full output resolution-LED Video Processor designed for users with useful output resolution, the widest reach 2560 points, the highest of 1536 points, for a variety of dot matrix display. Up to 20 kinds of output resolution for users to choose, and can be adjusted to point output.

Pre-switching technology - Pre-switching technology, is switching the input signal is switched to predict in advance whether the input channel signal. This feature reduces the line is disconnected or may be due to the case of no signal input to switch directly lead to errors, improve the success rate performances.

Signal detection- LED Video Processor will detect automatically whether the signal input or not when the corresponding inputs connected , if the current channel has signal input, the signal channel led indicator light is normally on and LCD screen will show the signal source type and the resolution ;If the current channel has no signal or signal unnormal, the signal channel led indicator light will flashing, LCD screen shows no signal.

Support PIP &POP - PIP technology unaltered state in the original image, the other input of the same or different overlay images. LED Video Processor PIP function, not only can be adjusted overlay size, location, borders, etc. You can also use this feature to achieve Picture outside Picture (POP), dual-screen display.

One key black - Black screen during a performance is an essential operation, during a performance, you need to close the image output, and you can use the black keys for fast black.

Support Freeze - During playback, you may need to freeze the current picture together to achieve "pause" screen. Freeze the screen, the operator can also change the current input selection or change lines, etc., to avoid background operation affect performance results.

PART and FULL fast switching - LED Video Processor a simple and functional operation of

the interception part of the screen and full-screen operation, any one input channel can be independently set different interception effect, and each channel is still able to seamlessly switch. Users can arbitrarily set the current channel interception of part of the screen size and position, and the other channels remain unchanged intercept method. When switching between channels most of its screen or full screen function follows.

Mode save and recall -LED Video Processor user presets with 4 groups, each user can store all user default setup parameters, use the “**MODE**” preset shortcut keys you can quickly recall. Can achieve rapid field parameter backup and recall function.

Equal and unequal stitching - stitching is LED Video Processor important part, which can be achieved equal stitching and unequal stitching, stitching on greatly satisfy users' needs. On multiple processors to achieve frame synchronization, 0 delay, no tail and other technologies to enable smooth performance perfect. Unequal spliced portion of the output is the same with the picture settings; the user can read the following chapters for instructions.

30bit scaling technology - LED Video Processor using a dual-core image processing engine, a single core can process 30 image scaling technology to achieve pixel output from 64 to 2560, while achieving 10 times the image to enlarge the output, i.e., the maximum screen more than 25,600.

Brightness adjustment technology - LED Video Processor unique brightness adjustment function, reduce the brightness solved after layering lost, so that more true color reproduction.

Saved directly technology - Saved directly technology to solve the user's settings and manually save tedious process, that users of co-ordination or adjust parameters without the implementation of artificial save operation, LED Video Processor user parameters automatically stored in EEPROM, even if the power When turned on, the parameters before power remains in the device.

16 test patterns - LED Video Processor built 16 sets of test patterns, such as color bars, grids, gray and so on. Various test patterns to meet user demand for the use under different circumstances. In engineering installation process, no source input, you can use a test pattern, check the connection or screen problems. High gray scale, color, RGB solid color screen, you can also check the LED screen color is normal, the existence of dead pixels and so on.

34 GAMMA curve - A rich pool of GAMMA curve, users can meet in a variety of light conditions and the use of color environments.

ACC & ACM image filtering - LED Video Processor using ACC and ACM image filtering engine, handling each color, nonlinear filtering effect of the lowest loss rate of the image, restore the color fidelity.

Video Input	
Input Source	3 Composite video PAL、NTSC、PAL-M/N、SECAM 1 VGA Input VESA Max 1920x1080@60Hz 1 DVI Input VESA Max 1920x1080@60Hz 1 HDMI Input 480i/p、576i/p、720p、1080i/p Color depth 8、10、12 bit Audio Input Audio input connector
Connector	3 BNC socket Composite 1 D-Sub VGA Input 1 DVI-I(24+5) DVI Input 1 HDMI A Type(19pin) HDMI Input 2 Terminal (CN5P3.81) Audio Input
Resolution range	640x480~1920x1080 480i/p、576i/p、720p、1080i/p、 2048x1080 Point-point Sampling Blanking
Video Processing	
Analog sampling	Each color 12 bit ;13.5 MHz (Video) 170 MHz (RGB)
Digital pixel data bit depth	8\10\12 bit
Video Output	
Out Source	2 DVI VESA 1 VGA RGBHV,RGBS,RGSB
Connector	2 DVI-I(24+5) 2 DVI Programming Output 1 D-Sub 1 VGA Output
Output resolution	1024×768@60Hz 1280×720@60Hz 1280×1024@60Hz 1440×900@60Hz 1536×1536@60Hz 1600×1200@60Hz 1680×1050@60Hz 1920×1080@60Hz 1920×1200@60Hz 2048×640@60Hz 2048×1152@60H 2304×1152@60Hz 2560×816@60Hz 1280×720@50Hz 1920×1080@50H

General Specifications	
Power	Internal 100~240VAC, 50~60Hz
Temp/Humi	Storage: T: -40 ~ +70 °C / H: 10% ~ 90%, Non-condensing Working: T: 0 ~ +50 °C / H: 10% ~ 90%, Non-condensing
Machine Size	484mm (length) x 335 mm (width) x 44mm (Height)
Packing Size	525mm (length) x 428 mm (width) x 120mm (Height)
Net weight (Machine)	3.0 kg
Net weight (Packing)	4.0 kg
Certification standards EMI/EMC	FCC, CE CE
MTBF	30,000 Hrs
Warranty	NOTE: All average nominal voltage of $\pm 10\%$
Model	Description Conventional
	P/N

