

AMS-LVP905

8 Channel Video Processor
AMS-LVP905 Standard

9 Channel Video Processor
AMS-LVP905U Expanding USB Input
AMS-LVP905S Expanding SDI Input

Flexible, Versatile LED Video Processor
Seamlessly Switch Any Channel

- ▶ Seamlessly Switch Any Channel
- ▶ 8 / 9-channel Digital-analog Video Input
 - 1 DP、1 DVI、2HDMI、2 VGA、2 AV、1SDI (EXT)、1 USB (EXT)
- ▶ Signal Detection Function
- ▶ Support Audio Output
- ▶ Support Oversized Splice 10x10
- ▶ Support Custom Output Resolution
 - 2304x1152@ 60Hz、2560x816@60Hz、3840x640@60Hz
- ▶ 34 Shows The Effect Of Arbitrary Switching
- ▶ Mode Save And Recall
- ▶ One Key Black Screen Or Freeze
- ▶ Knob Adjustment Settings
- ▶ DVI-Loop Out Convenient To Multi-splicing
- ▶ PIP、POP Function
- ▶ Color Matting Function



Switcher & Scale

Introduction

More Channel Video Input - LED Video Processor 8/9-channel video input, 1 DP, 1 DVI, 2 HDMI, 2 AV (CVBS), 2 VGA, 1 3G-SDI or 1 USB (Expanding); Basically covers the civil and industrial uses. All video input switching and enables fast cut and fade transitions.

Practical Video Output Interfaces - 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. DVI1 video distribution output (LOOP OUT), in a multi-machine splice is very practical, eliminating the use of video distributor, saving the user the tedious connections, reducing connection failure rate.

Seamless Switching-LED Video Processor can also seamlessly switch between any channels switching, the time adjustable from 0 to 5.0 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 commonly output resolution, the widest reach 3840 points, the highest of 1920 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. Customers can also according to the actual needs, customize the desired resolution.

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

Introduction

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.

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.

Support Audio Output - LED Video Processor can synchronization output while inputting HDMI, SDI and USB signals, not only decode video signals, but also decode analog audio output, enabling audio and video synchronization output.

Support RS232 Interface Control - can use computer to connect processor to use PC software to set the output resolution, brightness, audio switch, switch signal source, etc.....

Specification

Video Input		
Input Source	2 Composite Video 2 VGA Input 1 DVI Input 1 DP Input 2 HDMI Input 1 SDI（Expanding）	PAL、NTSC、PAL-M/N、SECAM VESA Max 1920x1080@60Hz VESA Max 1920x1080@60Hz VESA Max 1920x1080@60Hz 480i/p、576i/p、720p、1080i/p Color depth 8、10、12 bit 1080p 60/50/30/25/24/25(PsF)/24(PsF) 720p 60/50/25/24 1080i 1035i、625/525 line
Connector	3 BNC socket 2 D-Sub 1 DP socket 2 DVI-I(24+5) 2 HDMI A Type(19pin) 1 DB9 socket	Composite、SDI Input VGA Input DP Input DVI Input HDMI Input RS232 Control
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	1VGA 2 DVI	RGBHV, RGBS, RGSB VESA
Connector	3 DVI-I(24+5) 	

Specification

Temp/Humi	Storage: T: -40 ~ +70 °C / H: 10% ~ 90%, Non-condensing Working: T: 0 ~ +50 °C / H: 10% ~ 90%, Non-condensing	
Machine Size	485mm (length) x 345mm (width) x 65mm (Height)	
Packing Size	535mm (length) x 435mm (width) x 120mm (Height)	
Net weight (Machine)	5.0kg	
Net weight (Packing)	6.0kg	
Certification standards EMI/EMC	FCC, ROHS CE	
MTBF	30,000 Hrs	
Warranty	1 Years NOTE: All average nominal voltage of ± 10%	
Model	Description	P/N
AMS-LVP905	Standard Model	PN9051905
AMS-LVP905U	Extended USB Input	PN9051905U
AMS-LVP905S	Extended SDI Input&Loop	PN9051905S
AMS-LVP905US	Extended USB&SDI Input	PN9051905US

