AMS-MVP300

5 Channel Video Processor

AMS-MVP300   Standard
AMS-MVP300W   Expanding WIFI Wireless Projection
AMS-MVP300S   Expanding SDI Input/Output

Flexible, versatile LED video processor
Seamlessly switch any channel

► **Support USB Player**

► **Support Audio Sync Output**

► **Seamlessly Switch Any Channel**

► **Signal Detection Function**

► **Maximum Qutput Resolution:**

  1920*1080@60Hz

► **5-Channel Digital-Analog Video Input：**

   1 HDMI、1 DVI、1 VGA、1 AV、1 USB、

   （Optional: 1 WIFI 、1 SDI）

► **2-Channel Digital Video Output: 2 DVI**

► **Quick Knob Adjustment Settings**

► **Support SDI Input& SDI Loop**

► **One Key Black Or Freeze**

► **Key Lock Function**

► **10 Mode Saved And Recalled**

Function Introduction

Multiple Video Input -- MVP300 series uses 5 channels of video input, including 1 composite video AV (CVBS), 1 channel VGA, 1 channel DVI, 1 channel HDMI, 1 channel USB. Basically, the needs for civil and industrial use have been covered. Seamless switching of all video input.

Video Output Interface -- MVP300 series has 2 DVI video output,The 2 videos programmed output to LED sending card or display.

Seamless Switching Of Any Channel -- MVP300 series video processor can also seamlessly switch between any channels, switch quickly.

Output Resolution -- MVP300 series has designed a number of practical output resolutions for users. The widest is 1920 points, the highest is 1080 points. Applicable to a variety of dot matrix displays. Up to 10 output resolutions are available for user selection and can be adjusted point-to-point output.

Support Audio Sync Output -- MVP300 series has 1 channel audio output, audio and video synchronized output.

One Key Black Or Freeze -- MVP300 series has BLACK features, after setting, press the BLACK button directly to achieve black screen or screen freeze.

Key Lock Function -- MVP300 series has key lock function,open Keypad lock , during use,can effectively prevent misuse and other situations,provides a favorable guarantee for the use of the process.

Mode Saved And Recalled -- MVP300 series adopts 10 sets of user presets. Each set of user presets can store all user setting parameters, and can realize parameter backup and on-site calling functions <require to enter system menu enable>.

Unique Brightness Adjustment Technology -- MVP300 series has a built-in unique brightness adjustment function, which solves the problem of loss of layering after reducing the brightness, making the color reproduction more realistic.

Real-time Storage Technology -- The ready-to-use technology solves the user's cumbersome setup and manual storage process, that is, the user does not need to perform manual save operation after adjusting or adjusting parameters. MVP300 series automatically stores the user parameters in the EEPROM, even after the power is turned off, The previous parameters remain in the device.

ACC ACM Image Filtering -- MVP300 series uses ACC and ACM image filtering engines. When processing each color, the nonlinear filtering effect minimizes image loss and restores color realism.

Panel Introduction

Fullcolor LCD Screen

Intuitive LCD operation interface, menu settings can be adjusted by buttons and knobs

Menu Operation

OK: Confirmation button

ESC: Return operation key

Knob: adjust menu parameters

Input Signal Source

Selects the corresponding input signal source: 1 AV, 1 VGA, 1 DVI, 1 HDMI, 1USB , 1 SDI/1 WiFi (Expand）;Can seamlessly switch between corresponding sources

Function

Part/ Full: Partial and full screen switching of the display

Mode：10 sets of preset templates are saved and recalled

OUT：Set the corresponding display parameters to switch status

Black：Black screen or picture freeze, can be set up in the menu

Power Interface

Power Fuse

Input Signal Source Interface

Each input signal interface corresponds to the input signal of the corresponding device, plug and play, DVI & HDMI is not recommended for hot swap;

Communication Port
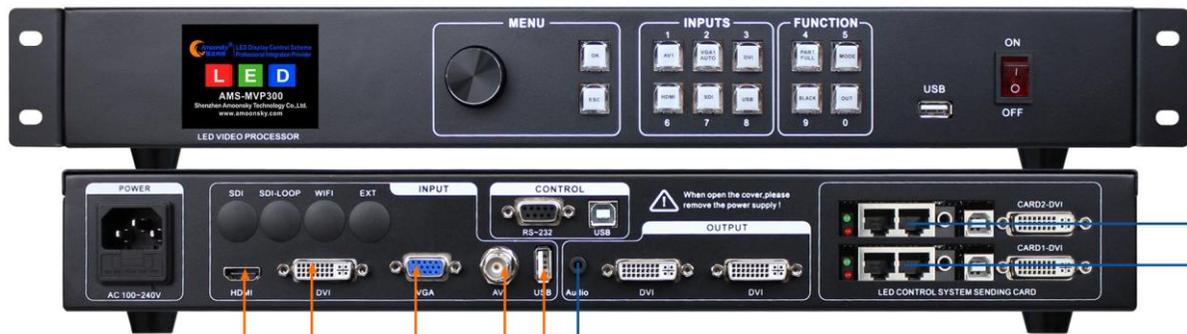
Computer RS232

And USB Control

Signal Source Output

Image data and image effects for user output real-time operation and switching;

Sending Card Installation

Support 2 sending card installations; compatible with most LED full color display sending card

Laptop   PC   DVD Player   Camera   USB Disk   Speaker

→ Input   → Output

Specification

Video Input	
Quantity / Signal Type	1 Composite Video　　PAL、NTSC、PAL-M/N、SECAM 1 VGA Input　　　　　VESA Standard，MAX 1920x1080@60Hz 1 DVI Input　　　　　VESA Standard，MAX 1920x1080@60Hz 1 HDMI Input　　　　480i/p、576i/p、720p、1080i/p， 　　　　　　　　　　Color Depth 8、10、12 Bit 1 USB 1 WIFI(Optional)　　Standard 802.11n 1 SDI(Optional)　　1080p 60/50/30/25/24/25(PsF)/24(PsF) 　　　　　　　　　720p 60/50/25/24，1080i/1035i，625/525 line
Connector	1 BNC Socket　　　　　　　Composite Video Input 1 15-pin HD Socket　　　　RGB Input 1 DVI-I Socket　　　　　　 DVI Input 1 HDMI Socket　　　　　　HDMI Input 2 BNC Sockets (Optional)　 Composite Video Input 1 USB Socket　　　　　　　USB input
Resolution Range	640x480～1920x1080 480i/p、576i/p、720p、1080i/p Point-to-point SamplingBlanking
Video Processing	
Analog Sampling	12 Bit Per Color; 13.5 MHz Standard (Video) 170 MHz Standard (RGB)
Digital Pixel Data Bit Depth	8, 10 or 12 Bit Per Channel; 3GHz Standard (SDI)
Video Output	
Quantity / Signal Type	2 DVI　　　　　　　　VESA
Connector	2 DVI-I(24+5)　　　　2 DVI Programming Output
Resolution After Image Resolution Conversion	1024×768@60Hz 1280×720@60Hz 1280×1024@60Hz 1600×1200@60Hz 1920×1080@60Hz 1920×1200@60Hz 1920×1280@60Hz
General Specifications	
Power Supply	Internal 100～240VAC，50～60Hz
Temperature/Temperature	**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 320 mm（width）x 69mm（Height）

Packing Size	515mm（length）x375 mm（width）x 100mm（Height）
Product Weight	3.0kg
Package Weight	4.0kg
MTBF	30,000 Hour
Warranty	1 Year Note: All rated voltages are on average ±10%

Model	Description	P/N
AMS-MVP300	Standard Model	PN201907001
AMS-MVP300W	WIFI Wireless Display	PN201907001W
AMS-MVP300S	SDI Output、LOOP	PN201907001S