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AMS-MVP300

6 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

- ▶ Seamlessly switch any channel
- ▶ Signal detection function
- ▶ Maximum output resolution
1920*1080@60Hz
- ▶ 6-channel digital-analog video input:
1HDMI、1DVI、1VGA、1AV、1USB、
(Optional: 1 SDI、1 WIFI)
- ▶ 3-channel digital-analog video output:2 DVI
- ▶ Quick knob adjustment settings
- ▶ Support audio output
- ▶ Support U disk playback
- ▶ Support SDI input, loop out
- ▶ Black/ Freeze
- ▶ Key Lock Function
- ▶ 10 sets of preset templates saved and called



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 video output, Adopt 2 DVI output interfaces. 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.

Rich 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 Output——MVP300 series has 1 channel audio output, audio and video synchronized output.

Black/ 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.

Preset Save Function——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>.

24-bit Image Lossless Scaling Function——MVP300 series uses a dual-core image processing engine. A single core can handle 24-bit image scaling technology, which can output from 64 to 1920 pixels, and can achieve 10 times image magnification output, that is, the maximum screen is 19200.

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.

34-level GAMMA Curve——The rich GAMMA curve pool can be used by users in various brightness environments and color matching environments.

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

LCD Screen

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

Menu Bar

In the menu column, the knob can be used to select menu items and adjust parameters, ESC is return.

Input Bar

Can seamlessly switch between corresponding sources

Automatic Correction

When the VGA input screen is offset, you can press VGA again to perform automatic correction.

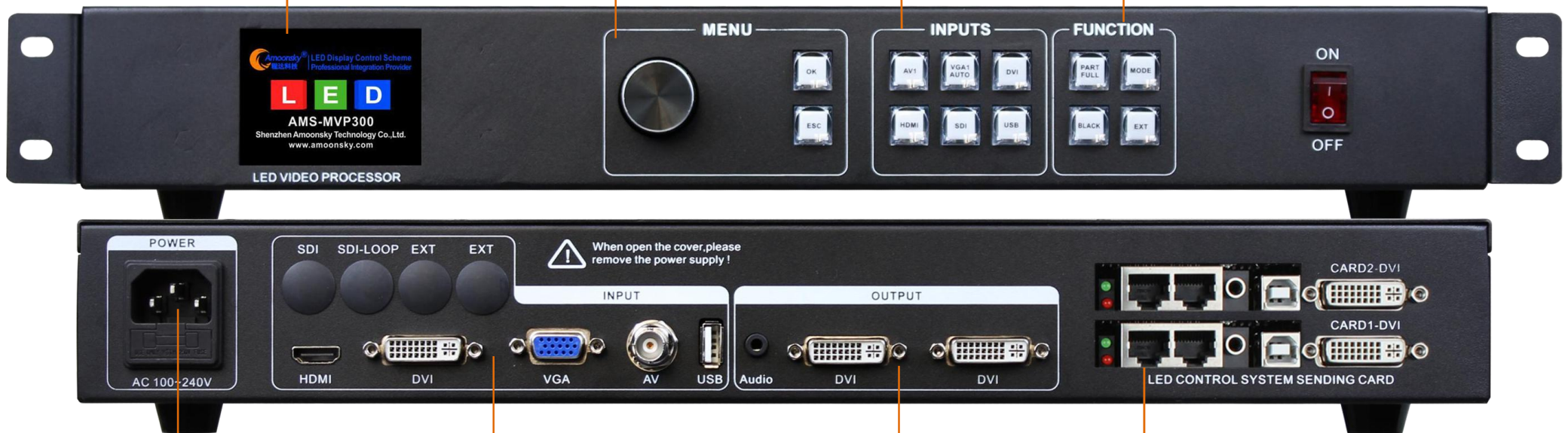
Function bar

Partial or full screen display switching:

In the output menu, set the corresponding display parameters to switch status

10 sets of preset templates are saved and recalled; black and lock screen; EXT:

Output resolution



Power Switch Power Interface

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;

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

Application



Technical Parameters

Video Input	
Quantity / Signal Type	1 Composite Video PAL、NTSC、PAL-M/N、SECAM 1 VGA VESA Standard, MAX 1920x1080@60Hz 1 DVI VESA Standard, MAX 1920x1080@60Hz 1 HDMI 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、2048x1080 Point-to-point Sampling Blanking
Video Processor	
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; 3 Channels For HDMI 3GHz Standard (SDI)
Video Output	
Quantity / Signal Type	2 DVI Digital Video (Compliant With VESA Standards) DVI-I Loop Output Interface
Connector	2 DVI-I Socket 2 DVI Programming Output DB9 Serial Port Device Upgrade Use
Resolution After Image Resolution Conversion	1024×768@60Hz 1280×720@60Hz 1280×1024@60Hz 1600×1200@60Hz 1920×1080@60Hz
General Specifications	
Power Supply	Built In 100~240VAC, 50~60Hz
Temperature/Temperature	Save: -40 ~ +70 °C /

	10%~90%, Non-condensing State Jobs: 0~+50 °C / 10%~90%, Non-condensing State	
Shell Size	Does not include connectors and mounting ears 440 mm (L) x 320mm (W) x68mm (H) With mounting ears size 485mm (L) x 320mm (W) x 68mm (H)	
Product Weight	3.0kg	
Package Weight	4.0kg	
MTBF	30,000 Hour	
Warranty	1 Year Note: All rated voltages are on average $\pm 10\%$	
Model	Description	Product Number
AMS-MVP300	Standard Model	PN201970001
AMS-MVP300W	WIFI Wireless Display	PN201970001W
AMS-MVP300S	SDI Output、LOOP	PN201970001S

