

AMS-VS100

5 Channel Video Controller

AMS-VS100	Standard
AMS-VS100R	Extended Remote Control
AMS-VS100W	Extended Wireless Projection
AMS-VS100S	Extended SDI Input&Loop

Integrated Sending Card (MSD300/TS802D)
Flexible, Versatile LED Video Controller
Seamlessly Switch Any Channel

- ▶ Support USB Player
- ▶ Support Audio Sync Output
- ▶ Seamlessly Switch Any Channel
- ▶ Signal Detection Function
- ▶ DVI Output Resolution:1920*1080@60Hz
- ▶ 5-Channel Digital-Analog Video Input:
 - 1 HDMI、1 DVI、1 VGA、1 AV、1 USB、
 - (Optional: 1 Remote、1 WIFI、1 SDI)
- ▶ 1-Channel Digital Video Output: 1 DVI
- ▶ Quick Knob Adjustment Settings
- ▶ Support SDI Input& SDI Loop
- ▶ One Key Black Or Freeze
- ▶ Panel • Key Lock Function
- ▶ 10 Mode Save And Recall



Function Introduction

Multiple Video Input -- VS100 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 -- VS100 series has 1 DVI video output, the port can output videos programmed output to LED sending card or display. and has 2 or 4 RJ45 network port. The network port is depends on the customer's choice built-in 1 or 2 pcs MSD300/TS802D standard sending card.

Seamless Switching Of Any Channel -- VS100 series Video Controller can also seamlessly switch between any channels, switch quickly.

Output Resolution -- VS100 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 -- VS100 series has 1 channel audio output, audio and video synchronized output.

One Key Black Or Freeze -- VS100 series has BLACK features, after setting, press the BLACK button directly to achieve black screen or screen freeze.

Key Lock Function -- VS100 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 -- VS100 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 -- VS100 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. VS100 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 -- VS100 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



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 Support Picture & Video Player 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 1 USB-B socket Sending Card Parameter Sets
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	1 DVI VESA
Connector	1 DVI-I(24+5) 1DVI 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
Network Port Output	
Signal Type/Quantity	2 / 4 x RJ45 Gigabit Ethernet ports Capacity per port up to 650,000 pixels Redundancy between Ethernet ports supported

Specification

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)	
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Packing Size	515mm (length) x 375 mm (width) x 100mm (Height)	
Product Weight	4.0kg	
Package Weight	5.0kg	
MTBF	30,000 Hour	
Warranty	1 Year Note: All rated voltages are on average ±10%	
Model	Description	P/N
AMS-VS100	Standard Model	PNVS1002402
AMS-VS100R	Extended Remote Control	PNVS1002402R
AMS-VS100W	Extended Wireless Projection	PNVS1002402W
AMS-VS100S	Extended SDI Input&Loop	PNVS1002402S