

# AMS-VS400

## 5 Channel LED Video Controller

- AMS-VS400 Standard
- AMS-VS400R Expanding Remote Control
- AMS-VS400W Expanding WIFI Wireless Projection
- AMS-VS400S Expanding SDI Input/Output

Integrated Sending Card (MSD600)  
 Flexible, Versatile LED Video Controller  
 Seamlessly Switch Any Channel

- ▶ Support USB Player
- ▶ Support Audio Sync Output
- ▶ Seamlessly Switch Any Channel
- ▶ Signal Detection Function
- ▶ Maximum Output Resolution:  
 1920\*1080@60Hz、3840\*640@60Hz
- ▶ 5-Channel Digital-Analog Video Input:  
 1 HDMI、1 DVI、1 VGA、1 AV、1 USB、  
 (Optional: 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
- ▶ Key Lock Function
- ▶ 10 Mode Saved And Recalled



# Function Introduction

**Multiple Video Input** -- VS400 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** -- VS400 series has 1 DVI video output, the port can videos programmed output to LED sending card or display. and has 4 RJ45 network port. The network port is the built-in the sending card MSD600 output port.

**Seamless Switching Of Any Channel** -- VS400 series Video Controller can also seamlessly switch between any channels, switch quickly.

**Output Resolution** -- VS400 series has designed a number of practical output resolutions for users. The widest is 3840 points, the highest is 1920 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** -- VS400 series has 1 channel audio output, audio and video synchronized output.

**One Key Black Or Freeze** -- VS400 series has BLACK features, after setting, press the BLACK button directly to achieve black screen or screen freeze.

**Key Lock Function** -- VS400 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** -- VS400 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** -- VS400 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. VS400 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** -- VS400 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, 1VGA, 1 DVI, 1HDMI, 1USB ,  
1 SDI/1 WiFi (Expand) ;Can Seamlessly  
Switch Between Corresponding Sources

## Function

Part/ Full: Partial Or Full Screen Switching Of Display  
Mode: 10 Sets Of Preset Are Saved And Recalled  
OUT: Set The Corresponding Display Parameters  
Black: Black Screen Or Picture Freeze

## Power Switch USB Port

USB-B: Connection  
Sending Card Control  
USB-A: USB Player



## 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;

## Signal Source Output

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

## Sending Card Installation

Support Sending Card Installations;  
**Built\_in stand sending Card  
According To Your Requires!**

## Control Port

Computer RS232  
And USB Control  
With Video Controller

# 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 3840x640@60Hz 1280×720@60Hz Support Custom Resolution 1280×1024@60Hz 1600×1200@60Hz 1920×1080@60Hz 1920×1200@60Hz 1920×1280@60Hz
Network Port Output	
Signal Type/Quantity	4 x RJ45 Gigabit Ethernet ports Capacity per port up to 650,000 pixels Redundancy between Ethernet ports supported

