AMS-VS500

7 Channel LED Video Controller

AMS-VS500	Standard
AMS-VS500W	Extended Wireless Projection
AMS-VS500S	Extended SDI Input&Loop
AMS-VS500WS	Extended WiFi&SDI Function
AMS-VS500SS	Extended 2*SDI Input&Loop

Integrated LED Sending Card

(Novastar • MSD600 / Linsn • TS902 / Huidu • T902)

4K • 4 Windows • LED Video Controller

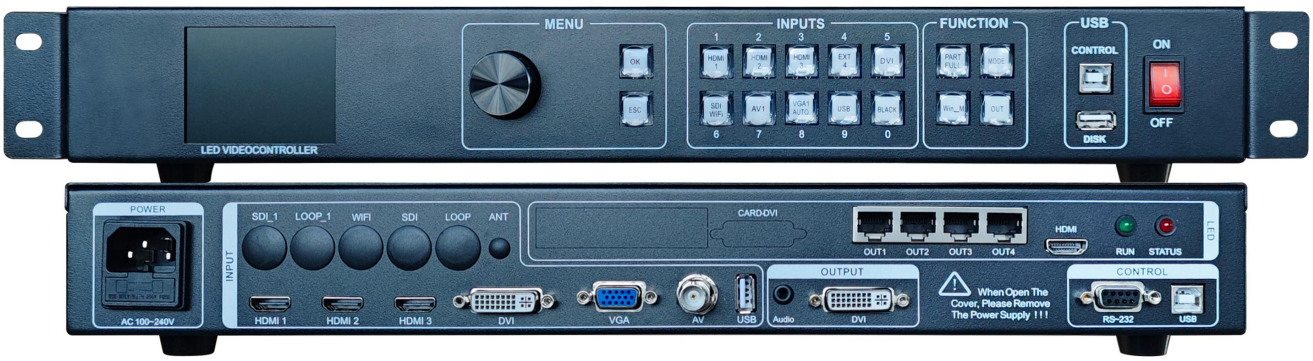
OEM • ODM • IDM • Customized Logo • Function

Crystal Keys • FullColor LCD Screen

TaiWan MeanWell Power Supply

Seamlessly Switch Any Channel

- Support USB Player
- Support 3840*2160@30Hz Input
- Seamlessly Switch Any Channel
- PIP • POP、Up To 4 Windows Display
- Signal Detection Function
- One Key Black Or Freeze Screen
- Maximum Output Resolution:
  1920*1080@60Hz、3840*640@60Hz
- 7-Channel Digital-Analog Video Input:
  3 HDMI、1 DVI、1 VGA、1 AV、1 USB、
  （Optional: 1 WIFI、1 / 2 SDI）
- 4*RJ45 Gigabit Ethernet Ports
- 1-Channel Digital Video Output: 1 DVI
- Panel • Key Lock Function
- Audio&Video Sync Output
- 10 Mode Save And Recall
- Quick Knob Adjustment Settings



Function Introduction

Multiple Video Input -- VS500 Series Uses 7 Channels Of Video Input, Including 1 Composite Video AV (CVBS), 1 Channel VGA, 1 Channel DVI, 3 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 -- VS500 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 (Novastar • MSD600 Or Linsn • TS902 Or Huidu • T902) Output Port.

Multi-Windows -- VS500 Series Normal Models Supports Single Screen, PIP Or POP Function, Up To 4 Windows, And Built-in 10 Modes Of The Multi-Windows Layout; If User Needs To Display 4 Windows, The Corresponding Input Sources Must To Be Eexpanded In Advance.

Seamless Switching Of Any Channel -- VS500 Series Video Processor Can Also Seamlessly Switch Between Any Channels, Switch Quickly.

Output Resolution -- VS500 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. Output Resolutions Are Available For User Selection And Can Be Adjusted Point-To-Point Output.

Support Audio Sync Output -- 3.5mm Audio Output Interface, Contains Left And Right Channels, Audio And Video Synchronized Output.

One Key Black Or Freeze -- VS500 Series Has BLACK Features, After Setting, Press The BLACK Key Directly To Achieve Black Screen Or Screen Freeze.

Panel • Key Lock Function -- VS500 Series Open Panel Lock Function, During Use Can Effectively Prevent Misoperation Situations, Provides A Favorable Guarantee For The Use Of The Process.

Mode Saved And Recalled -- VS500 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 -- VS500 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, The User Does not Need To Perform Manual Save Operation After Adjusting Or Adjusting Parameters. The 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 -- VS500 Series Uses ACC And ACM Image Filtering Engines. When Processing Each Color, The Nonlinear Filtering Effect Minimizes Image Loss&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 To Seamlessly Switch Between: 1 AV, 1 VGA, 1 DVI, 3 HDMI, 1USB , 1/2 SDI / 1WiFi /1EXT (Expand);

Black:: Black Screen Or Picture Freeze;

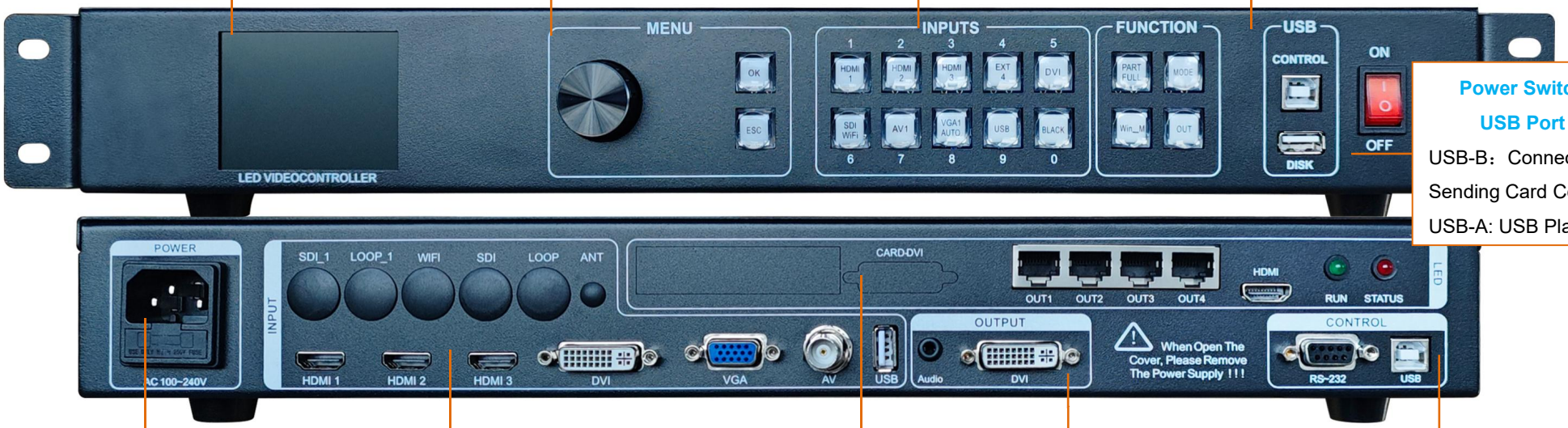
Function

Part • Full: Partial And Full Screen Switching Of The LED Display;

Mode: 10 Sets Of Preset Templates Are Saved And Recalled;

Win_M: 10 Sets Of Quick Recall Keys For Multi-Windows Layout Templates; <Number Corresponds To Input Source>

OUT: Set The Corresponding Display Parameters To Switch Status;



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;

Sending Card Installation

Support Sending Card Installations;

Built_in stand sending Card According To Your Requires!

RUN&STATUS：Status Indicator

Signal Source Output

Image Data & Image Effects For User Output Real-time Operation And Switching;

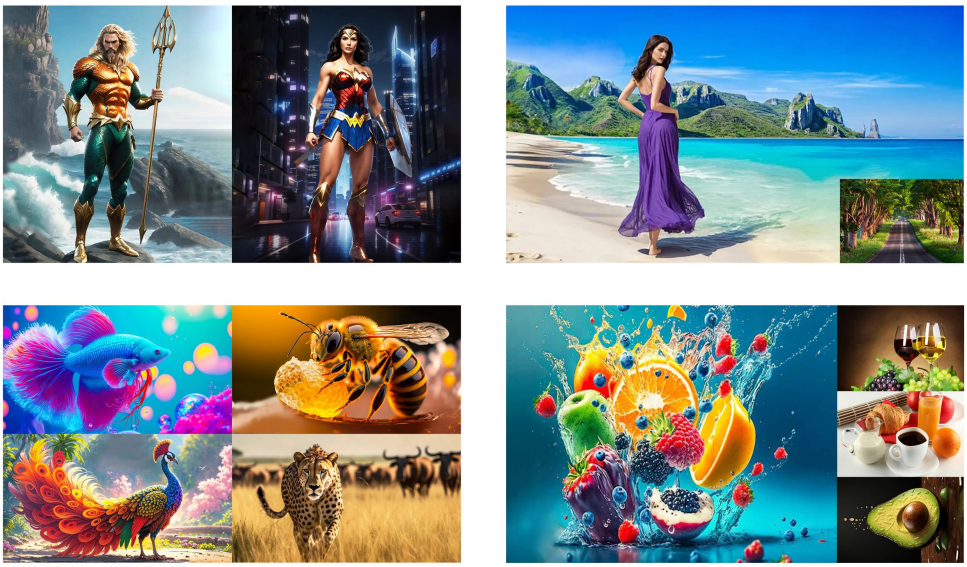
Audio: 3.5mm Left&Right Channel Audio Output;

Communication Port

RS232&USB Control Interface Only Used For Factory Update Software Not Yet Open To Public;

Application

- Multi-Windows Layout Mode



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 3 HDMI Input HDMI_VESA Standard; HDMI 3_HDMI1.3 Backward Compatible; HDMI1&2_HDMI1.4 Backward Compatible; 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 3 HDMI Socket HDMI Input 4 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 1920×1200@60Hz 1280×720@60Hz 1920×1280@60Hz 1280×1024@60Hz 3840x640@60Hz 1600×1200@60Hz Support Custom Resolution 1920×1080@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

Specification

General Specifications	
Power Supply	Built-in Taiwan MEANWELL Power Supply 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）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-VS500	Standard Model	PNV5002405
AMS-VS500W	Exrended Wireless Display	PNV5002405W
AMS-VS500S	Exrended SDI Input&Loop	PNV5002405S
AMS-VS500WS	Exrended WIFI & SDI Function	PNV5002405WS
AMS-VS500SS	Exrended 2 * SDI Input&Loop	PNV5002405SS