

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
AMS-VS500Pro	Extended 2*HDMI Input

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 Expanded 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.

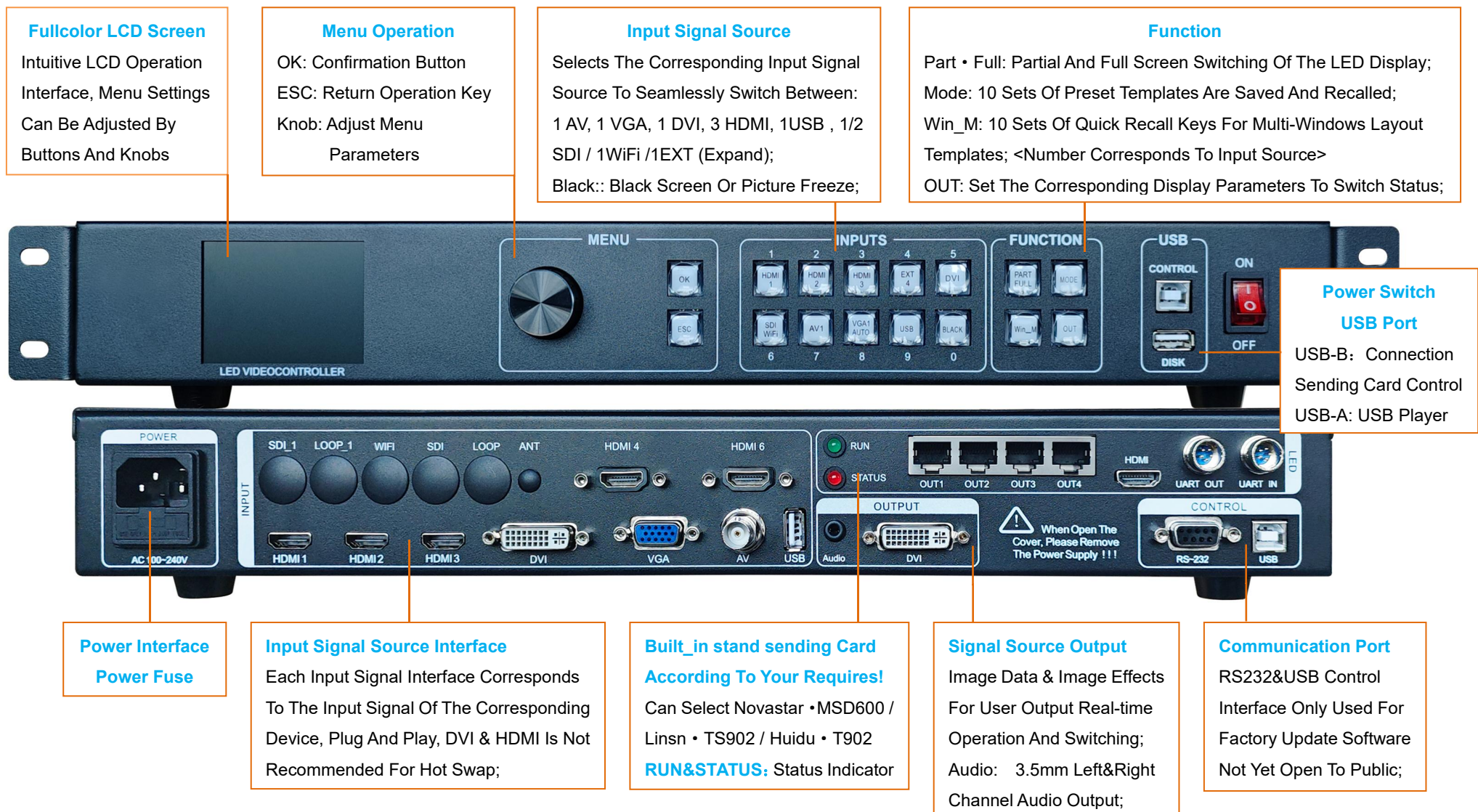
Mode Saved And Recalled -- VS500 Series Adopts 10 Sets Of User Presets. Each Set Of User Presets Can Store All User Setting Parameters, And Can Realize Parameter Backup And On-site Calling Functions <Require To Enter System Menu Enable>.

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.

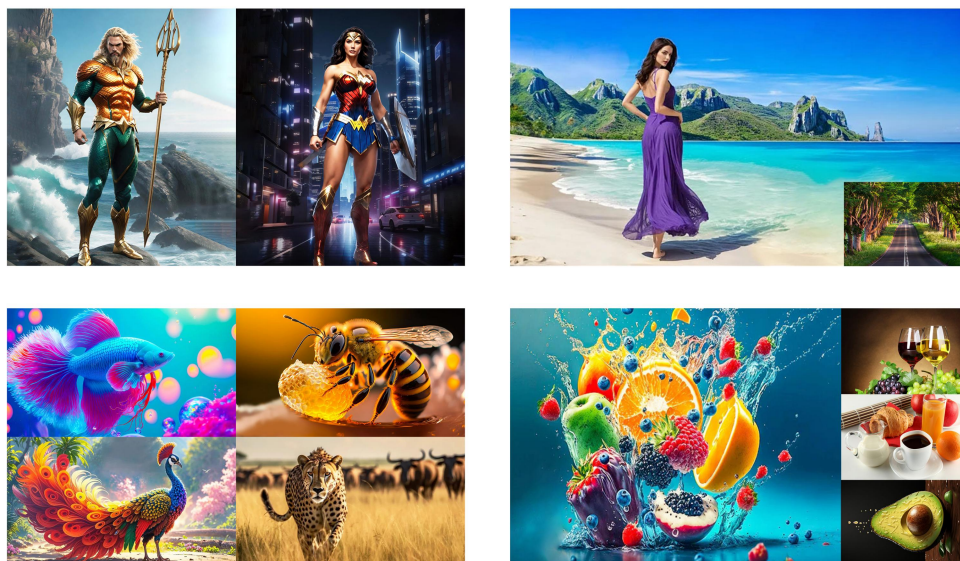
Panel Introduction



Application



- Multi-Windows Layout Mode



Video Input		
Quantity / Signal Type	1 Composite Video 1 VGA Input 1 DVI Input 3 HDMI Input 1 USB 1 WIFI(Optional) 1 SDI(Optional)	PAL、NTSC、PAL-M/N、SECAM VESA Standard, MAX 1920x1080@60Hz VESA Standard, MAX 1920x1080@60Hz HDMI_VESA Standard; HDMI 3_HDMI1.3 Backward Compatible; HDMI1&2_HDMI1.4 Backward Compatible; Support Picture & Video Player Standard 802.11n 1080p 60/50/30/25/24/25(PsF)/24(PsF) 720p 60/50/25/24、1080i/1035i、625/525 line
Connector	1 BNC Socket 1 15-pin HD Socket 1 DVI-I Socket 3 HDMI Socket 4 BNC Sockets (Optional) 1 USB Socket 1 USB-B Socket	Composite Video Input RGB Input DVI Input HDMI Input Composite Video Input USB input 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 3840x640@60Hz Support Custom Resolution
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	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-VS500	Standard Model	PNV5002405
AMS-VS500W	Extended Wireless Projection	PNV5002405W
AMS-VS500S	Extended SDI Input&Loop	PNV5002405S
AMS-VS500WS	Extended WIFI & SDI Function	PNV5002405WS
AMS-VS500SS	Extended2 * SDI Input&Loop	PNV5002405SS
AMS-VS500Pro	Extended 2 * HDMI Input	PNV5002405Pro