SYSOLUTION

S50S

2-in-1 Video Processor

Product specification

Version number： Ver.1.0

Statement

Dear user friend, thanks for choosing SHENZHEN SYSOLUTION TECHNOLOGY CO.,LTD (hereinafter referred to as Sysolution) as your LED advertising equipment control system. The main purpose of this document is to help you quickly understand and use the product. We strive to be precise and reliable when writing the document, and the content may be modified or changed at any time without notice.

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Update record

NO.1	Version number	Update	Date of revision
1	Ver.1.0	First Release	2021.07.19

Note： The content of the document is subject to change without notice.

Product Description

S50S is a pure hardware device developed for LED display with easy operation and rich functions, supporting HD multi-type interface input, integrating professional display control technology and powerful video processing capability, simplifying the field environment to build a video processor, using a high-performance image processing chip; with advanced interlaced image adaptive processing technology and super clear noise reduction engine to eliminate the gauge frequency image motion Dragging and jagged phenomenon, video image enhancement technology makes more clear and delicate, rich in detail, full of colour and stable image quality.

Applicable scenarios

Suitable for a wide range of applications such as small and medium-sized LED displays in shopping malls, hotels, exhibition displays and TV studios.

Features

1. 5.2 megapixels in a single unit with customised output resolution of up to 7680 pixels horizontally and 3840 pixels vertically.

2. 4 simultaneous screen displays.

3. Audio/video switching/volume adjustment.

4. Input ports： DVI*1,HDMI*2, DP*1, VGA*1, Audio*1.

5. Template saving and loading.

6. Seamless multi-screen switching and seamless single layer switching.

7. Timetable, one-touch blackout, built-in test chart card, USB upgrade, key lock.
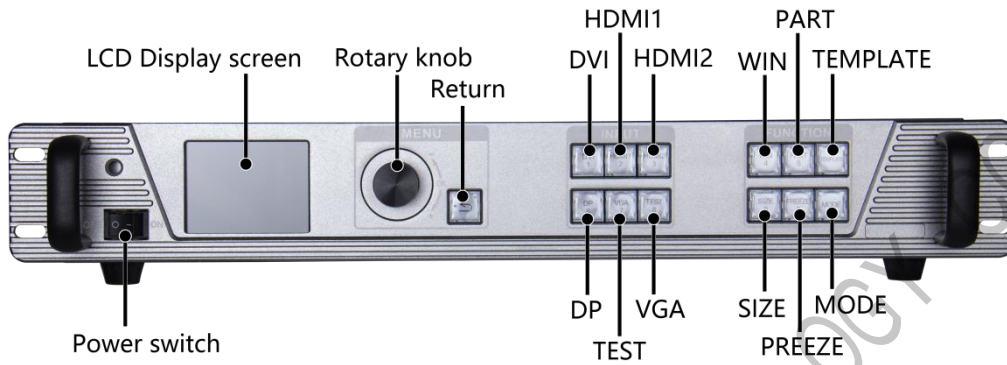
Product Images

Load range

Load carrying capacity	Single Network Port	650,000 pixel point
	Complete machines	5.2 million pixel point
Maximum width points	Complete machines	7680
Maximum number of points	Complete machines	3840

Interface definitions

Front panel

Front Panel Description		
Serial number	**Keystrokes**	**Description**
1	Power switch	Power on/off of the device
2	LCD screen	Display of the operating menu
3	Operating buttons	Knob button for menu selection Return button
4	Input source switching keys	DVI, DVI input/number key 1 HDMI1, HDMI1 input/number key 2 HDMI2, HDMI2 input/number key 3 DP, DP input/number key 6 VGA, VGA input/number key 7 TEST, test chart card key/number key 8

		WIN, layer selection / numeric key 4
5	Function buttons	PART, partial full screen shortcut/number key 5
		TEMPLATE, multi-screen template shortcut
		SIZE, screen resizing shortcut/number key 9
		FREEZE, image blacked out / numeric key 0
		MODE, loading scene shortcut

Rear panel
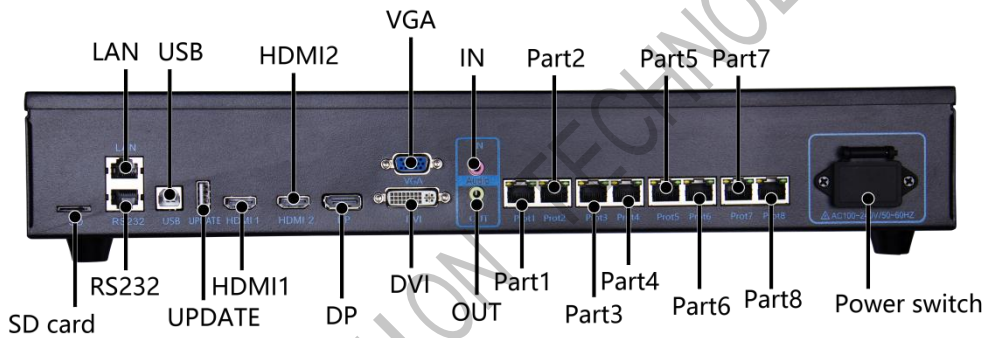
| Extended Function Interface		
Interface	**Number**	**Description**
SD card	1	Installation of SD cards to store large screen configuration parameters for data patrol
Input interface		
Interface	**Number**	**Description**
DVI	1	1920x1080/60HZ, 3840*540/60HZ and EDID management
HDMI1	1	1920x1080/60HZ, 3840*1080/60HZ and EDID management
HDMI2	1	1920x1080/60HZ, 3840*1080/60HZ and EDID management

DP	1	1920x1080/60HZ, 3840*2160/60HZ and EDID management
VGA	1	1920x1080/60HZ and EDID management

Output Connector

Interface	Number	Description
Gigabit network port	8	Interface type. RJ45 Transmission speed： 1000BaseTX Receiver card support： D70/D90 series receiver cards and multifunction cards

Processor control interface

Interface	Number	Description
UPDATE	1	USB upgrade port
USB	1	Supports 1920 x 1200 @ 60Hz
LAN1	1	100 megabit network communication interface (reserved interface)
RS232	1	Serial port interface

Power supply interface

Interface	Number	Description
Power connector	1	AC power input interface 100V~240V

Working parameters

Electrical parameters	Input voltage	AC-100-240V-50/60HZ
	Power rating	25W
Working environment	Operating temperature	0-45°C
	Working humidity	10%RH-90%RH no coagulation
Dimensions	Enclosure dimensions：　483.5 x 300.3 x 66.7 mm (L x W x H)	
Net weight	5KG	

Dimensional drawings

436.6

300.3

483.6

66.7
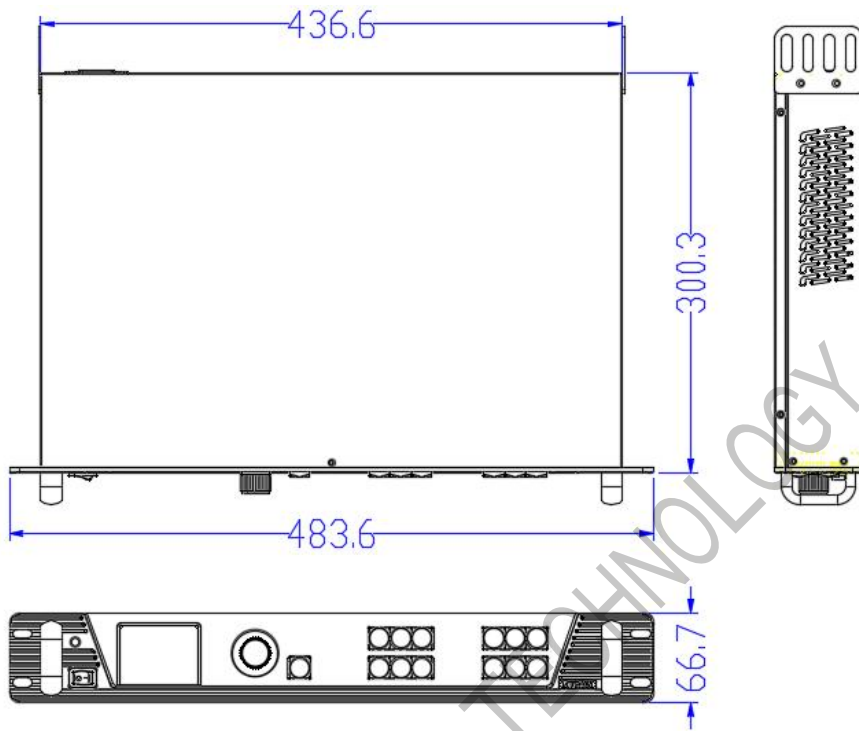
Unit： mm

Cautions

1. High voltage hazard： This product operates at AC -100V to 240V.

2. It is forbidden to immerse liquids, metal fragments and other conductive objects into the interior of the equipment to avoid safety accidents.

3. Please use the appliance in a dry, clean environment.