



 **SYSOLUTION**

S70S

2-in-1 Video Processor

Product specification

Version: Ver.1.3

Statement

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Update Record

No.	Version	Updates	Revision Date
1	Ver.1.0	Initial Release	2022.11.11
2	Ver.1.1	Adding authentication information	2023.01.13
3	Ver.1.2	Content update	2024.04.22
4	Ver.1.3	Content update	2024.08.30

The document is subject to change without prior notice.

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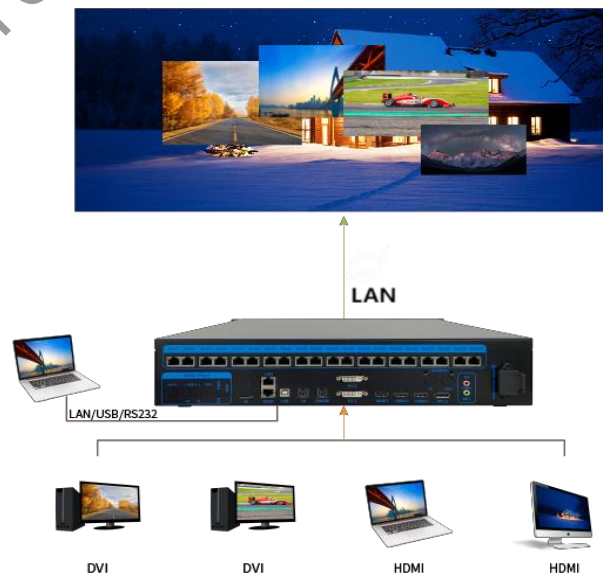
Product Introduction

S70S is a professional processor integrates 4K master control and powerful 4K multi-screen video processing together, developed by Sysolution. It is easy to operate and can simplify the site set up environment with richful functions; support ultra-high definition (UHD), high definition (HD) interface mixed input; while processing 5 different input signal sources.

With 20 gigabit network port outputs, the maximum uploading capacity is 13,000,000 pixels. It adopts high-performance image processing chip and advanced interlaced image adaptive processing technology and ultra-clear noise reduction engine to eliminate video image motion dragging and jagged phenomenon; while video image enhancement technology to making the image more clear and delicate, rich in detail, full of color, stable image quality.

Applications

S70S is applied to large stage theater performance, exhibitions, bars, KTV and many other project application scenarios of large LED display, hybrid display.



Features

1. Multiple input interfaces:1×HDMI 2.0 、 1×DP1.2 、 2×DVI 、 2×HDMI1.3;
2. EDID management supports input resolution management for DVI, HDMI and DP interfaces;
3. 20 Gigabit network outputs on a single machine, with a maximum loading of 13,000,000 pixels LED screen;
4. Customizable output resolution with a maximum width of 15360 pixels in horizontal and 15360 pixels vertical;
5. Picture-in-picture function: inserting other screens into the main 4K input screen;
6. Multiple layers function: 1 4K window+ 1 2K window or 5 2K windows, support window overlay, roaming, and arbitrary switching
7. Supports audio input and output, audio and video switching at any time;
8. Support 10 scenario templates for direct invocation;
9. Built-in clock and support fixed-scene template switching;
10. Support external brightness sensors to automatically adjust the LED screen brightness;
11. Support for 3D display, active 3D display, electronic shutter 3D, continuous frame mode;
12. Supports HDR display
13. Support key lock function;
14. Support patrol and SD card backup and restore;
15. Support PC software to control window opening, drag and drop window size and position freely

16. Support screen freezing and one-key black screen of output screen.

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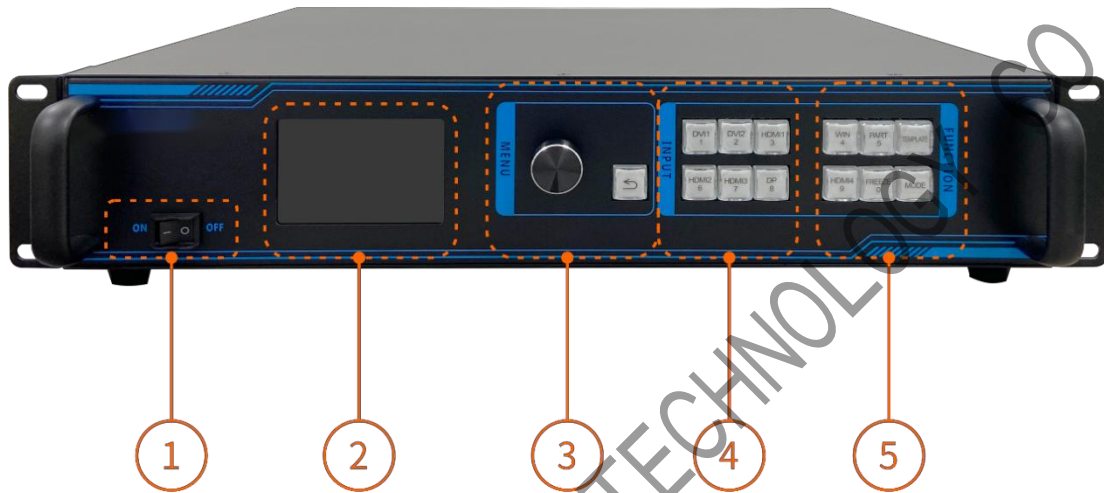
Loading Capacity

Loading capacity	Single Network Port	650,000 pixel point
	Whole machine	13,000,000 pixels
Maximum width pixels	Whole machine	15360
Maximum height pixels	Whole machine	15360

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Interface Definition

Front Panel



Front Panel Description			
No.	Button	Description	
1	Power Switch	device power on/off	
2	LCD	Display operation menu	
3	Operation button	Knob button for menu selection, Back button	
4	Input source switching buttons	DVI1	DVI1 Input port/number key 1
		DVI2	DVI2 Input port/number key 2
		HDMI1	HDMI1 Input port/number key 3
		HDMI2	HDMI2 Input port/number key 6
		HDMI3	HDMI3 Input port/number key 7

		DP	DP Input port/number key 8
5	Function buttons	Win	Layer selection/number key4
		TEMPLATE	Multi-screen template shortcut key
		SIZE	Adjustment screen reseller shortcut/number key 9
		FREEZE	Image black screen/number key 0
		MODE	Loading Scene Shortcuts

Back Panel



Input Interface

Interface	Quantity	Description
HDMI2.0 (HDMI3)	1	Only one signal can be input at the same time. support maximum 3840×2160@60/7680×1080@60Hz resolution video source input. Support custom resolution.
DP1.2	1	Ultimate width: 7680 (7680×1080@60Hz) Ultimate height: 7680 (1080×7680@60Hz) Ultimate height
HDMI1.3	2	Supports up to 2304×1152@60Hz resolution video source

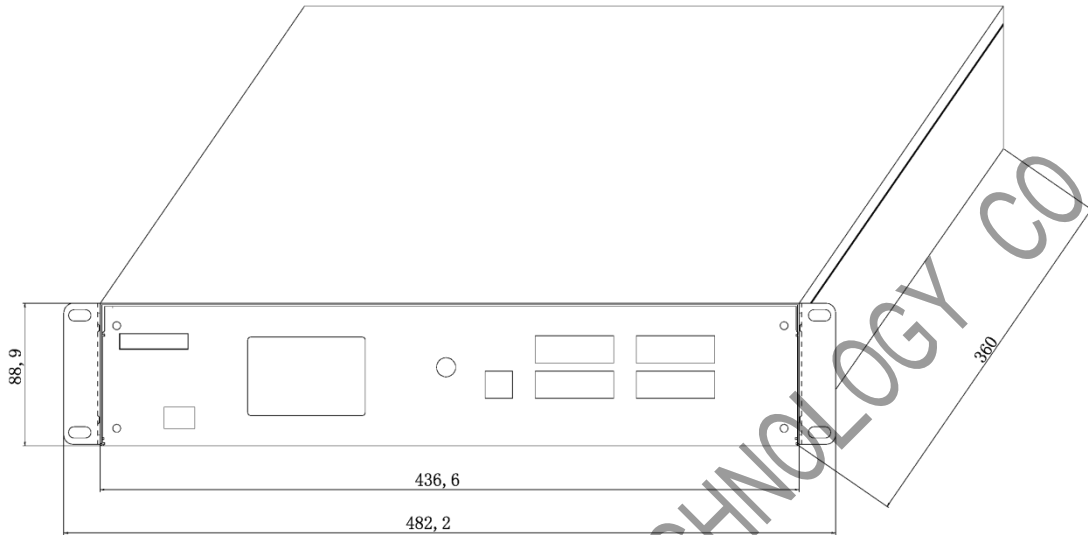
(HDMI1、 HDMI2)		input. Supports custom resolutions. Ultimate width: 3840 (3840×640@60Hz) Ultimate height: 3840 (640×3840@60Hz) Interlace signal input is not support.
DVI (DVI1、 DVI2)	2	Supports up to 2304×1152@60Hz resolution video source input. Supports custom resolutions. Ultimate width: 3840 (3840×640@60Hz) Ultimate height: 3840 (640×3840@60Hz) Interlace signal input is not supported.
Output Interface		
Interface	Quantity	Description
Network port	20	It can load up to 13,000,000 pixels, up to 15360 pixels in wide and up to 15360 pixels in high, and can be stitched up and down at will.
Audio Interface		
Interface	Quantity	Description
AUDIO IN	1	External audio input source
AUDIO OUT	1	Audio output, can be set to output any window signal source audio or external audio input source.
Control connector		
Interface	Quantity	Description

LAN	1	100 megabit network port to control devices through the network
RS232	1	Serial port, interfacing with central control
USB	1	1×USB 2.0 (Type-B, square port): upper computer control interface
Backup and recovery		
Interface	Quantity	Description
SD card	1	Backup configuration parameters to SD card, restore configuration parameters from SD card
Extended Function Interface		
3D	1	Connection to 3D transmitter; (reserved interface, customized function)
SENSOR	1	Connect the light-sensing probe for automatic brightness adjustment.
Power supply interface		
interface	Quantity	Description
Power connector	1	AC-100-240V-50/60HZ AC power supply interface

Operating Parameters

Electrical parameters	Input Voltage	AC-100-240V-50/60HZ
	Power Rating	36W
Operating Environment	Operating temperature	-20°C - 70°C
	Operating humidity	10%RH-80%RH non-condensing
physical dimensions	size: 482.2x360x88.9mm (L×W×H)	
Net weight	4.75Kg	
Packaging Information	Carytn box size	565×445×185mm
	Accessories	1×DVI cable, 1×power cable, 1×DP cable, 1×HDMI cable, 1×USB2.0 print cable, 1×qualification certificate

Dimensions



Unit: mm

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Cautions

1. High voltage danger: The working voltage of this product is AC -100V ~ 240V.
2. It is forbidden to immerse conductive objects such as liquids and metal fragments into the interior of the equipment to avoid causing safety accidents.
3. Please put the equipment in a dry and clean environment for use.

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