SYSOLUTION

S70S

2-in-1 Video Processor

3-

Product specification

Version： Ver.1.1

Statement

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Trademark

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

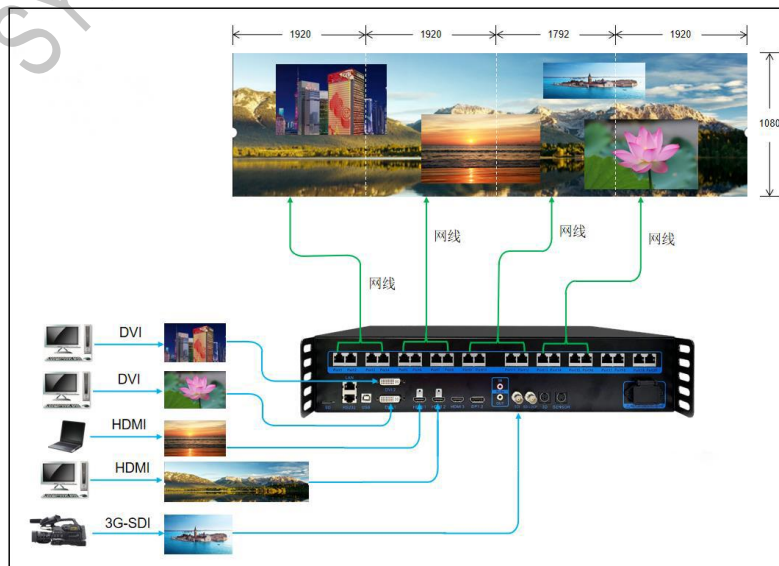The document is subject to change without prior notice.

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 maximumuploading capacity is 10.4 million 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.

Applictions

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 、1×3G-SDI;

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 10.4 million 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. Screen transparency function: supports independent transparency settings for each group of window image;

7. Supports audio input and output, audio and video switching at any time;

8. Support 8 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. Support key lock function;

13. Support patrol and SD card backup and restore;

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

Loading Capacity

Loading capacity	Single Network Port	650,000 pixel point
	Whole machine	10.4 million pixel points
Maximum width pixels	Whole machine	15360
Maximum height pixels	Whole machine	15360

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　3840×21Hz60@60/7680×
DP1.2	1	1080@60Hz resolution video source input. Support custom resolution. Ultimate width：7680（7680×1080@60Hz） Ultimate height：7680（1080×7680@60Hz）　Ultimate height
HDMI1.3 (HDMI1、 HDMI2)	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）

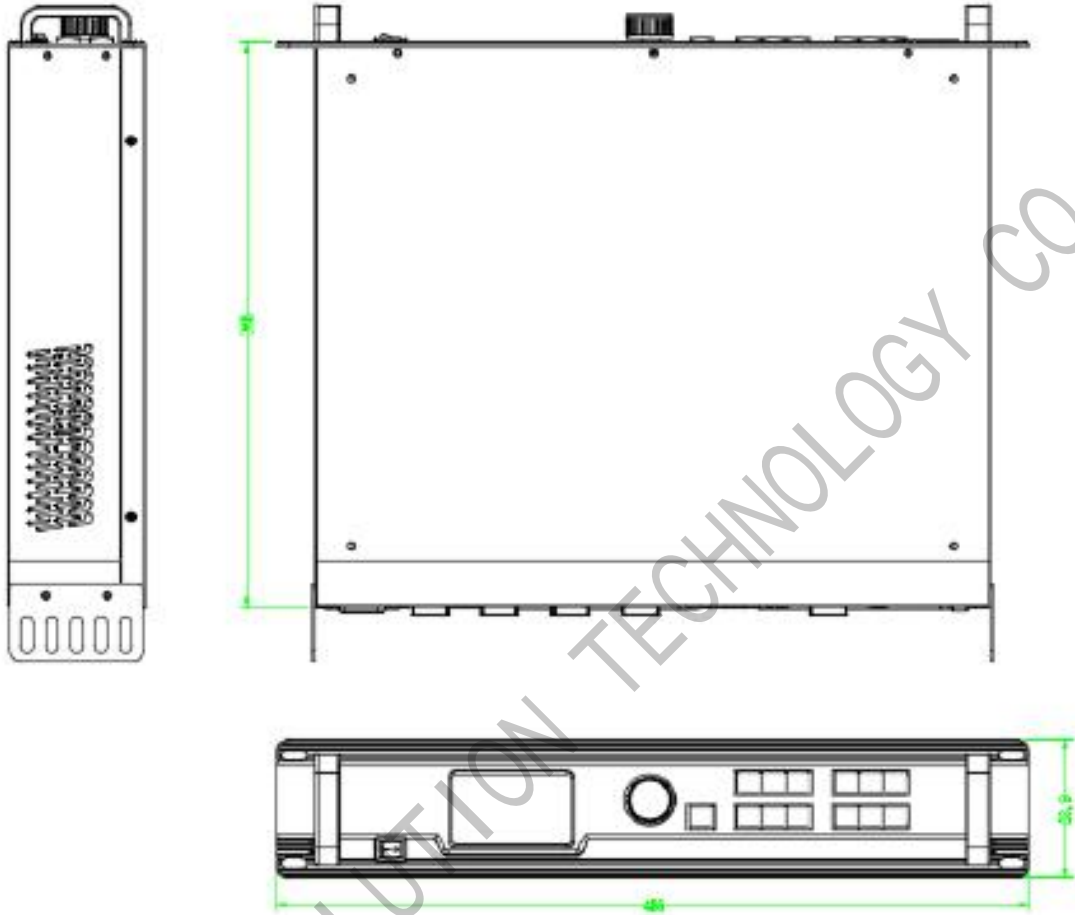|		Interlace signal input is not support.
DVI (DVI1、DVI2)	2	Supports up to 2304×1152@60Hz resolution video source input. Supports custom resolutions. Ultimate width：3840（3840×640@60Hz） Ultimate height：3840（640×3840@60Hz） Interlace signal input is not supported.

Output Interface

Interface	Quantity	Description
Network port	20	It can load up to 10.4 million 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℃ - 70℃
	Operating humidity	10%RH-80%RH non-condensing
physical dimensions	size: 486x365x88.9mm (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

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.