



 **SYSOLUTION**

# S60S

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## 2-in-1 Video Processor

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### Product specification

Version: Ver.1.2

## **Statement**

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# Update Records

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No.	Version	Update	Date of revision
1	Ver.1.0	First Release	2021.07.19
2	Ver.1.1	Add Certification Information	2023.01.13
3	Ver.1.2	Update Product Image	2023.08.14

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

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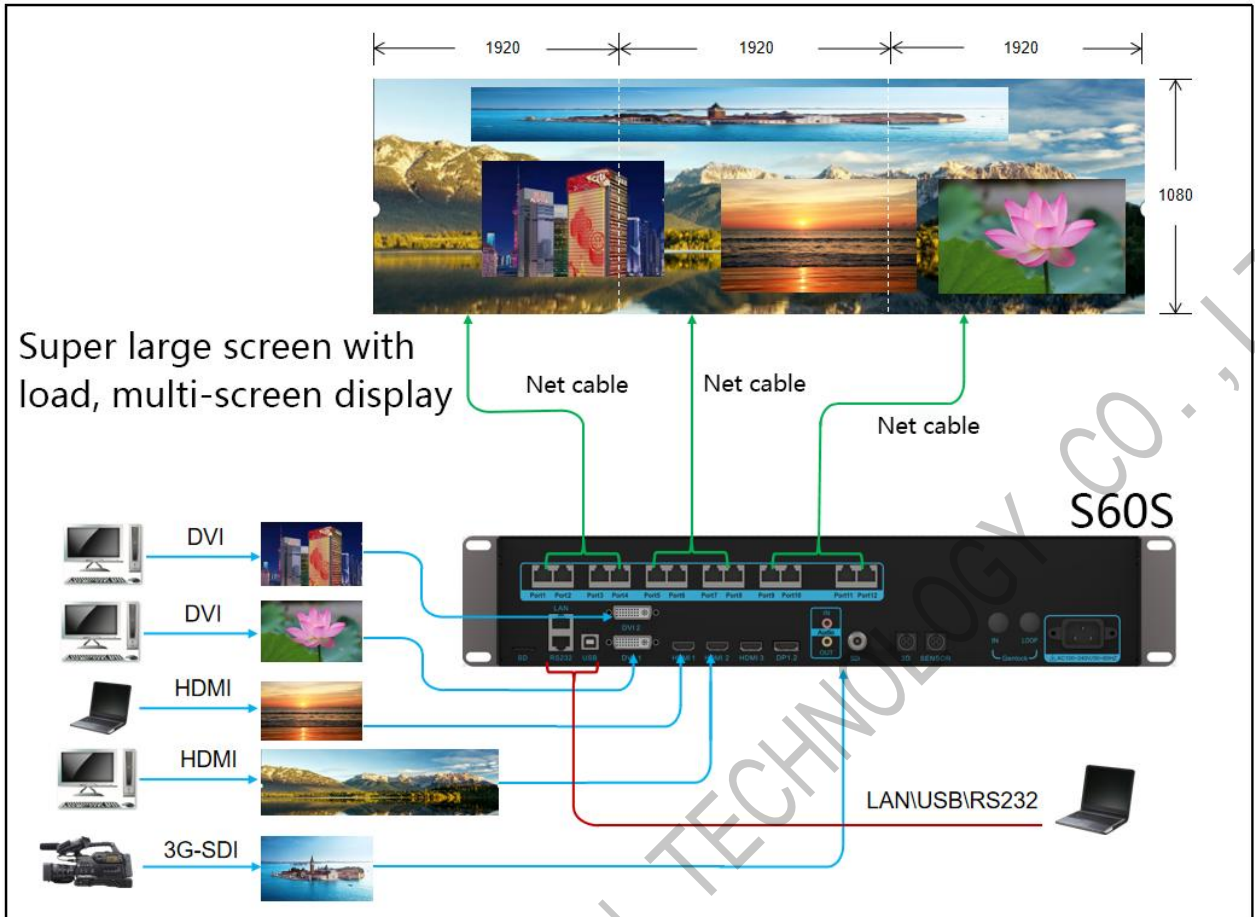
# Product Description

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S60S is a 2-in-1 processor developed for LED displays that integrates professional 4K master control and powerful 4K multi-screen video processing. Easy to operate, feature-rich, conducive to simplify the site setup environment; support ultra-high definition (UHD), high-definition (HD) interface mixed input; up to 5 simultaneous screen display while processing and displaying 5 different input signal sources; 12-channel Gigabit network port output, maximum 7.8 million loading pixels; using high-performance image processing chip, with advanced interlaced image adaptive processing technology and ultra-clear noise reduction engine to eliminate video image motion trailing and jaggy, video image enhancement technology to make the image more clear and detailed, rich in detail, full color, achieve stable image quality.

## **Applicable scenarios**

The S60S can be used in large-sized LED display and hybrid LED display such as large stage theater performances, exhibitions, bars, KTV and other application scenarios.



# Product Features

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1. Multiple input interfaces: 1×HDMI 2.0, 1×DP1.2, 2×DVI, 2×HDMI1.3, 1×3G-SDI;
2. EDID supports input resolution management for DVI, HDMI, and DP interfaces;
3. Stand-alone 12-channel Gigabit Ethernet port output, maximum 7.8 million loading pixels of the LED screen;
4. Customize the output resolution to a maximum of 15360 pixels wide and 15360 pixels high;
5. Picture-in-Picture function: Inserts other frames into the main 4K input screen;
6. Multi-layer function: Maximum 5 layers can be superimposed and switched arbitrarily;
7. Screen transparency function: Each group of window screens supports independent transparency settings;
8. Support audio input and output, audio and video follow-up switching/volume level adjustment;
9. Support 8 scene templates for direct recall;
10. Built-in clock with support for timed scene template switching;
11. Support external brightness sensor to automatically adjust the screen brightness following the ambient brightness;
12. Support 3D display, active 3D display, electronic shutter 3D, successive frame mode;
13. Support key lock function;
14. Support patrol and SD card backup and restore;
15. Support screen freeze and one-key black screen on the output frame.

# Product Images

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# Load Range

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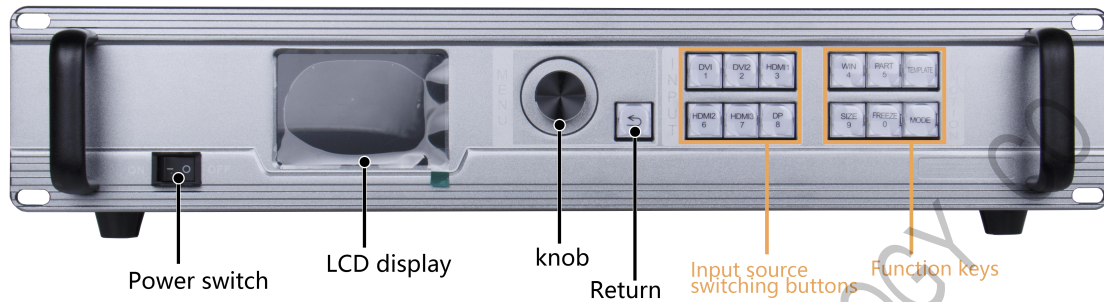
<b>Load capacity</b>	Single Network Port	650,000 pixel point
	Complete machine	7.8 million pixel point
<b>Maximum width</b>	Complete machine	16384
<b>Maximum height</b>	Complete machine	15360

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# Interface Definitions

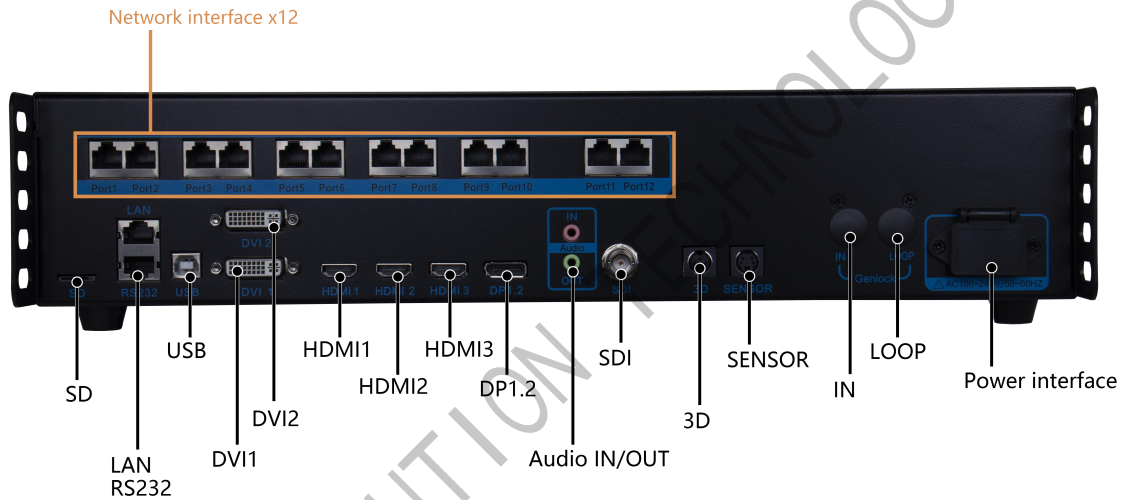
## Front panel



Front panel description		
No.	Key	Instruction
1	power switch	Power the device on/off
2	LCD display	Display the operation menu
3	knob	Knob buttons for menu selection
4	Return	Return button
5	Input source switching buttons	DVI1 input/number key 1 DVI2 input/number key 2 HDMI1 input/number key 3 HDMI2 input/number key 6 HDMI3 input/number key 7 DP input/number key 8

6	Function keys	Layer selection/number key 4
		Partial full screen shortcut/number key 5
		Multi-screen template shortcuts
		Resize screen shortcut/number key 9
		Image black screen/number key 0
		Load Scene Shortcuts

**Rear panel**



Rear panel description (Input interface)		
Interface	Quantity	Statement
HDMI2.0 (HDMI3)	1	Select one of the two signals to use, and only one signal can be input at the same time.
DP1.2	1	Maximum support 3840×2160@60Hz/7680×1080@60Hz resolution video source input. Support customized resolution. Maximum width: 7680 (7680×1080@60Hz) Maximum height: 7680 (1080×7680@60Hz)

HDMI1.3 (HDMI1、 HDMI2)	2	<p>Maximum support 2304×1152@60Hz resolution video source input.</p> <p>Support customized resolution.</p> <p>Maximum width: 3840 (3840×640@60Hz)</p> <p>Maximum height: 3840 (640×3840@60Hz)</p> <p>Interlace signal input is not supported.</p>
DVI (DVI1、 DVI2)	2	<p>Maximum support 2304×1152@60Hz resolution video source input.</p> <p>Support customized resolution.</p> <p>Maximum width: 3840 (3840×640@60Hz)</p> <p>Maximum height: 3840 (640×3840@60Hz)</p> <p>Interlace signal input is not supported.</p>
3G-SDI	1	<p>Maximum support 1080P@60Hz, support SD-SDI, HD-SDI and 3G-SDI</p>
<b>Output Interface</b>		
<b>Interface</b>	<b>Quantity</b>	<b>Statement</b>
Network interface	12	<p>Maximum 7.8 million loading pixels, Maximum width: 16384 pixels, Maximum height: 15360 pixels, can be spliced arbitrarily.</p>
<b>Audio interface</b>		
<b>Interface</b>	<b>Quantity</b>	<b>Statement</b>
AUDIO IN	1	External audio input source

AUDIO OUT	1	Audio output, can be set to output audio from any window source or external audio input source.
<b>Control interface</b>		
<b>Interface</b>	<b>Quantity</b>	<b>Statement</b>
LAN	1	100M network port to control the device over the network
RS232	1	Serial interface, interfacing with central control
USB	1	1×USB 2.0 (Type-B, square port): Upper computer control interface
<b>Backup and Restore</b>		
SD card	1	Back up configuration parameters to the SD card and restore configuration parameters from the SD card.
<b>Extended Function Interface</b>		
3D	1	Connection to 3D transmitter; (interface reserved, need to be customized)
SENSOR	1	Connect a light-sensing probe for automatic brightness adjustment.
<b>Power supply interface</b>		
<b>Interface</b>	<b>Quantity</b>	<b>Statement</b>
Power interface	1	AC-100-240V-50/60HZ AC power interface

# Dimensional Drawings

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Unit: mm

# Working Parameters

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Electrical parameters	Input voltage	AC-100-240V-50/60HZ
	Power rating	36W
Working environment	Operating temperature	-20°C- 60°C
	Working humidity	10%RH-80%RH no solidification
Dimensions	Enclosure size:482.6*364.1*89.2mm (LxWxH)	
Net weight	5.2 Kg	
Packaging Information	Carton size	565×445×185mm
	Accessories	1×DVI cable, 1×power cable, 1×DP cable, 1×HDMI cable, 1×USB2.0 cable, 1×Certificate of Conformity

# Cautions

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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
3. interior of the equipment to avoid safety accidents.
4. Please use the appliance in a dry, clean environment.

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