



SEO Specification

Splicing Server

Version: v2.0.1

Release Date: July 2025

Revision History

Version Number	Brief description of the revised content	Revision Date	Revised by
V2.0.1	Optimize function description and specification format	2025/07/ 01	-
V1.0.3	Changing features	2023/12/10	-
V1.0.2	Modify device size data	2023/11/10	-
V1.0.1	Modify the back image of the actual product	2023/10/13	-
V1.0.0	First version released	2023/09/01	-

Product Overview

The SE0 splicing server is a professional video processing and control device with a pure hardware FPGA design architecture and a modular design. It can be widely used in TV stations, dispatch rooms, command centers, exhibition halls, conference rooms, stage performances, data centers, multi-purpose halls, and other scenarios.

Product Certification

CCC , ROHS

If the product does not have relevant certification in any country or region where it is sold, please contact Kystar immediately for confirmation or processing. Otherwise, if any legal risks are caused, the customer shall bear them by himself or Kystar shall have the right to seek compensation.

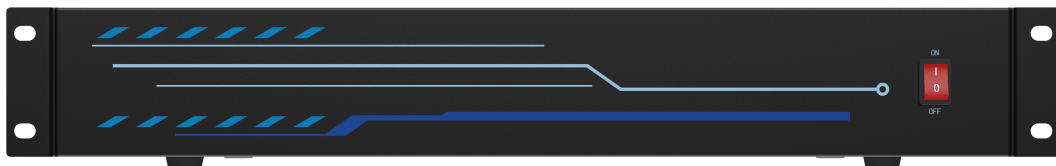
Features

- Supports 1 to 2 HDMI 1.3 interface outputs.
- The maximum single-port load is 260W pixels; it supports custom output resolution, with a maximum width of 4096 and a maximum height of 4096.
- Support 4-way HDMI1.3 interface input.
- A single machine supports up to 6 2K layers .
- No software installation is required, it uses web -based control and is not restricted by operating systems or platforms.

- Different preset parameters can be saved as scenes, and multi-screen scenes and single-screen scenes can be called with one click for easy switching.
- Supports management of up to 8 groups of screens, and the output resolution of each group of screens can be set separately, making it easy to complete complex scene display control.
- Supports subtitle function. Subtitles can be displayed statically or in dynamic scrolling. Users can set the font, subtitle background, scrolling mode, etc.
- Supports scene patrol to meet unmanned application scenarios.
- It supports seamless switching. When switching signals or calling scenes, there is no black screen, no flickering, and no lag in the entire process.
- Supports hardware monitoring, including real-time monitoring of hardware module temperature and voltage , firmware version, operating status , fan speed , etc.
- Supports remote upgrade, program upgrade can be performed remotely, and system maintenance is simple.

Appearance

Front panel appearance



Rear panel appearance



Input Interface Introduction

Performance
parameters

HDMI 1.3 input interface

- Number of input interfaces: 4 HDMI1.3
- Maximum input resolution: 2048×1152@60Hz
- Custom resolution:
 - Maximum width 2048 (2 048 × 1152 @ 60 Hz)
 - Maximum height 2048 (1152 × 2048 @ 60 Hz)
- Video input formats: RGB444, YCbCr444 , 4x22 , 4x20

Input port specifications

- Input signal level: TMDS /CML
- Impedance: Differential 100ohm

Indicator status description

- Steady on: Input signal is connected normally
- Off: Input is not connected or input is abnormal

*From left to right, the top of the first column of lights indicates HDMI-1, and the bottom indicates HDMI-2. Similarly, the top of the second column of lights indicates HDMI-3, and the bottom indicates HDMI-4 .

Output Interface Introduction

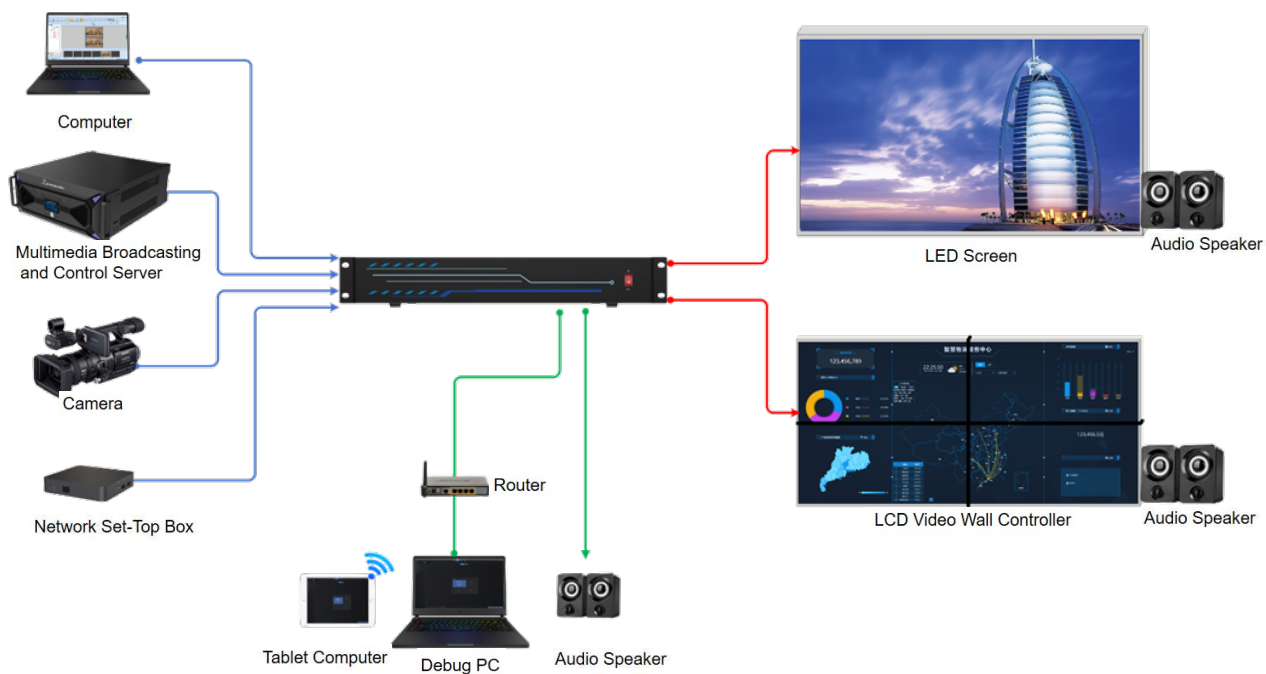
Performance
parameters

HDMI 1.3 output interface

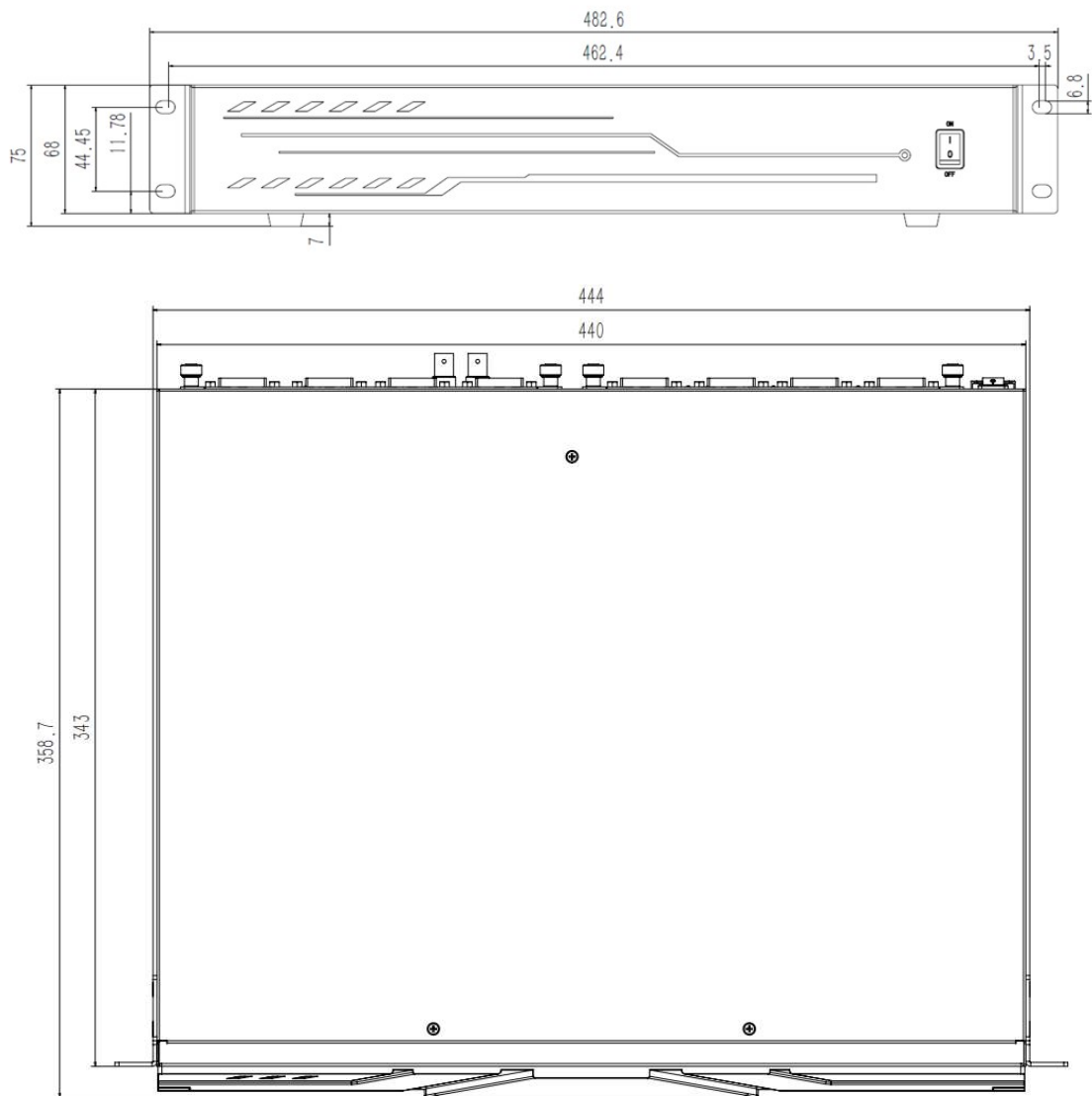
- of output interfaces: 12 HDMI 1.3
- Maximum output resolution: 2048×1152@60Hz
- Custom resolution:
 - Maximum width 4096 (4096×616@60Hz)
 - Maximum height 4096 (480×4096@60Hz)
- Video output format: RGB444
- Support channel-associated audio

	<p>Output port specifications</p> <ul style="list-style-type: none"> ● Output signal level: TMDS /CML ● Impedance: Differential 100ohm
<p>Control Port Introduction</p>	
<p>Performance parameters</p>	<p>Interface parameters</p> <ul style="list-style-type: none"> ● COM-1: RS232 control port, can be connected to the central control system ● COM-2: RS232 control port, can be connected to the central control system; can be used as the COM-1 loop-out port ● USB: USB 3.0 port, used for system upgrades only and cannot be used to power other devices. ● ETHERNET: Gigabit Ethernet port, communication interface, connected to control computer, router or switch for Web control and pre-monitoring <p>Indicator status description</p> <ul style="list-style-type: none"> ● RUN light status <ul style="list-style-type: none"> - Flashing: The device is starting up - Fixed frequency flashing: 1/2S, the system is operating normally - No flash or no light: System failure (after the device is turned on) ● PWR indicator status <ul style="list-style-type: none"> - Steady on: The device is powered normally. - Off: The device power supply is abnormal.

Scene topology diagram



Size



Unit: mm


Specifications

Product Specifications	
Model	SE0
Chassis specifications	1.5U
Enter	HDMI1.3×4
Output	HDMI1.3×12
Maximum number of layers	6
Input power	110-240V~, 47-63Hz, 1A
Power consumption of the whole machine	50W
Work Environment	0~45°C, 0%RH~80%RH, non-condensing
Storage environment	-20°C~65°C, 0%RH~95%RH, non-condensing
Dimensions	482.6mm×343mm×75mm (L×W×H)
Packing size	540mm×470mm×150mm (L×W×H)
Net weight	5KG
Gross weight	6KG

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Beijing KystarTechnology Co., Ltd.

A professional provider of comprehensive solutions and operation services for ultra-high-definition video display and control.

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