



ZH LED Control System



S4

LED Sending Box Product Specification





Product Specification

S4 Sending Box

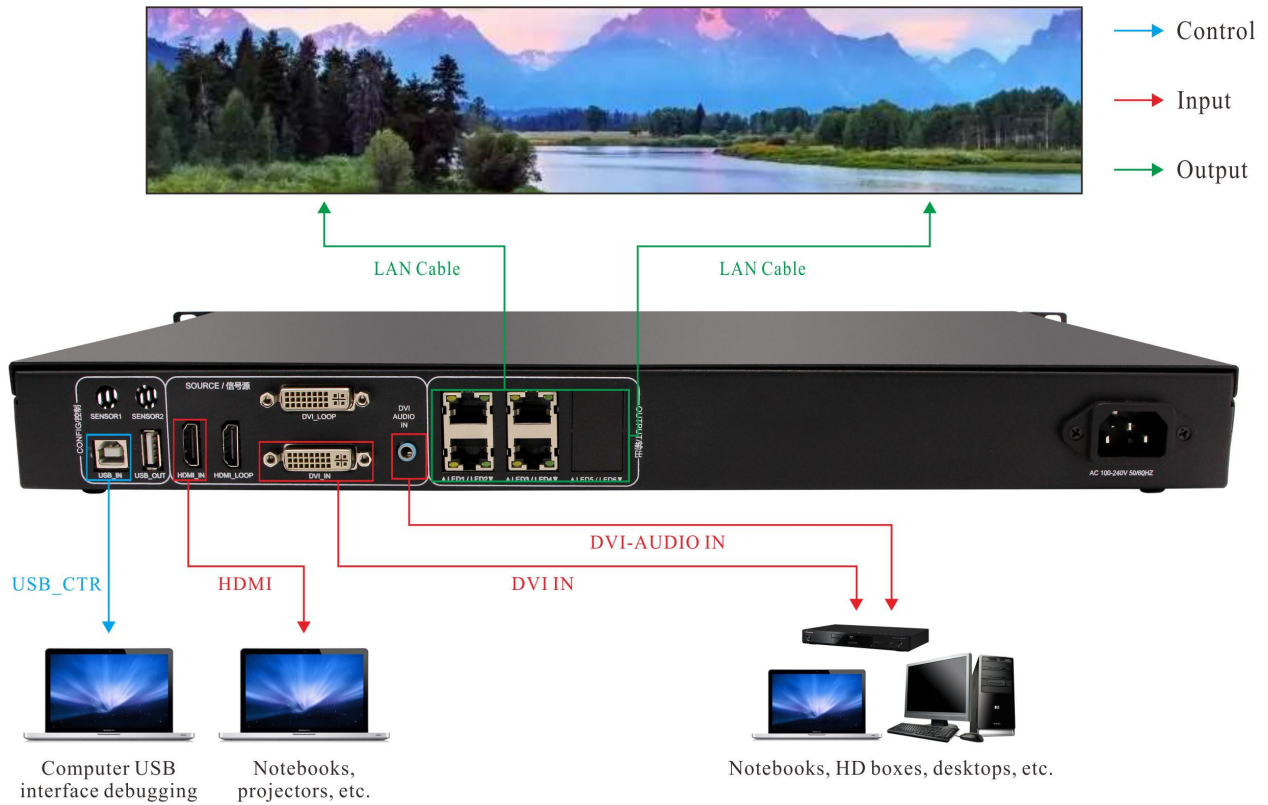
I. Product Introduction:

S4 Sending Box is a product created by ZH Company to meet the convenience of large LED screen installation. It supports DVI and HDMI high-definition signal input and loop-out; it can receive up to 1920*1200 pixels of high-definition digital signals, supports 4 pieces Gigabit Ethernet port outputs, single device support pixel maximum width: 8192 or maximum height: 2160. Using a new communication architecture, high refresh, high brightness, new grayscale scanning engine, nanosecond synchronization, it can still maintain smooth communication even in poor communication status, allowing users to feel more colorful and better LED world!

II. Functional Features

1. Support HD signal input: support HDMI and DVI video signal input and LOOP output;
2. Input resolution: maximum pixels 1920*1200, support any resolution setting;
3. Maximum load area of single card: 2.6 million points, the max width can reach 8192, and the max height can reach 2160 points;
4. 4 pcs Gigabit Ethernet port outputs, support splicing up and down, left and right;
5. Hot backup: hot backup of two network ports in the same group and hot backup of multiple cards;
6. Dual-type USB communication interface, easy to debug separately and cascade;
7. Two setting methods of panel and PC;
8. Support audio input and synchronous transmission through network cable/optical fiber;
9. Support multiple sending box arbitrary splicing cascade, strict synchronization;
10. Support low brightness and high gray;
11. Support brightness and color temperature adjustment;
12. Support all the receiving cards of AVIC V5.

III. System Topology



IV. Hardware Diagram:

The Front Panel



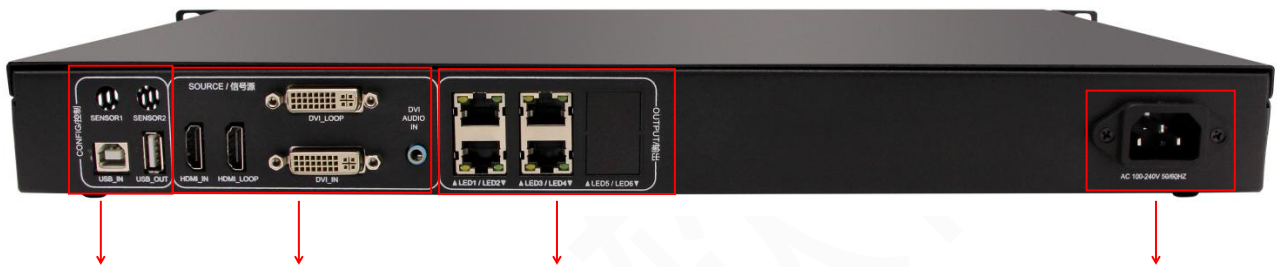
Power	The power switch
LCD	Display device status and operation interface
Knob	Press the mark to enter or confirm, rotate the cursor or modify the parameters



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Button Part Manual			
HDMI/0	HHDMI signal input selection key/number 0	BACK/5	Return to previous menu/number 5
DVI/1	DVI signal input selection key/number 1	MENU/6	Enter menu advanced setting mode/number 6
*/2	Number 2	OK/7	Option confirmation key/number 7
*/3	Number 3	BRI/8	Brightness/Number 8
*/4	Number 4	LOCK/9	Lock, unlock/number 9
		BACK/→	Back/Delete

The Back Panel



Control Port

Input/loop

Output Port

Power

CONFIG/Control Port		INPUT/Signal Input Port		OUTPUT/Signal Output Port	
USB_IN	System test port	HDMI_IN	HDMI input port	LED1/LED2/ LED3/LED4	Output port
USB_OUT	USB output, multiple units can be cascaded	HDMI_LOOP	HDMI loop out		
SENSOR1	Sensor (optional)	DVI_IN	DVI input port		
SENSOR2	Sensor (optional)	DVI_LOOP	DVI loop out		
		DVI AUDIO IN	DVI input audio interface		

Input Standard:

Port	Quantity	Resolution specification
HDMI	2	EIA/ cea-861 standard, 1*HDMI, 1*HDMI_LOOP
DVI	2	Support 1920* 1200/60hz and other resolutions conform to the VESA standard, 1*DVI, 1*DVI_LOOP
AUDIO	1	3.5mm standard audio interface



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Output Standard:

Port	Quantity	Resolution specification
LED	4	Standard Gigabit Ethernet port, support all series of receiving cards, support any splicing, up and down or left and right

Device specification:

Input power	AC 100~240V, 50/60HZ, No more than 2A
Working temperature	-20~45°C
Volume	482*275*44.5(mm,L*W*H)
Weight	2.8KG

V. Hardware Diagram:

Unit: mm

