



®

ZH LED Control System



# ZH-X4L

## Product Specification





# Product Specification

## ZH-X4L

### I. Function Introduction:

ZH-X4L belongs to full color series LED player, its functions are as

follows:

1. Adopt the same refresh technology as synchronous control system;
2. Support cascading receiving cards, support any size screen;
3. Adopt the sending card + receiving card structure, the screen adjustment method is compatible with full color, which is convenient and quick;
4. Support mobile APP (Android + iPhone) to send program;
5. Support U-disk, Wi-Fi hot-spot (AP mode) and Internet (STA mode) to realize cluster management;
6. Offer SDK file;
7. Support HD video hard decoding;
8. Supports audio output, 3.5mm standard audio output interface;
9. Support USB to play video and pictures directly;
10. Support brightness automatic, timing adjustment;
11. Support program play in sequence and timing;
12. Support UDP network communication protocol;
13. Support DHCP to obtain IP address automatically;
14. Support emergency information insertion;
15. Support weather forecast;
16. Support 2 pcs HDMI input port, 1 pcs VGA input port, 1 pcs HDMI output port;
17. Support one-button switching among asynchronous and synchronous;
18. Support one-button testing full screen;
19. Supports multiple video Windows to play simultaneously;
20. Support environmental monitoring;
21. Support manual switch, timing switch.

### II. Basic Function Parameters

System Parameters:

CPU	8-core A53, 1.5GHz
Operation System	Android 5.1
System Storage	8G (The system takes up about 2.5G)



# ZH LED Display Control System

Control Area	Loading Points: 2.3 million points Maximum Width: 3840, Maximum Height: 1536
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## Communication Port:

1. Support Wi-Fi hot-pot;
2. Support U disk port;
3. Support 100M/1000M network adaptation;
4. Support server cluster.

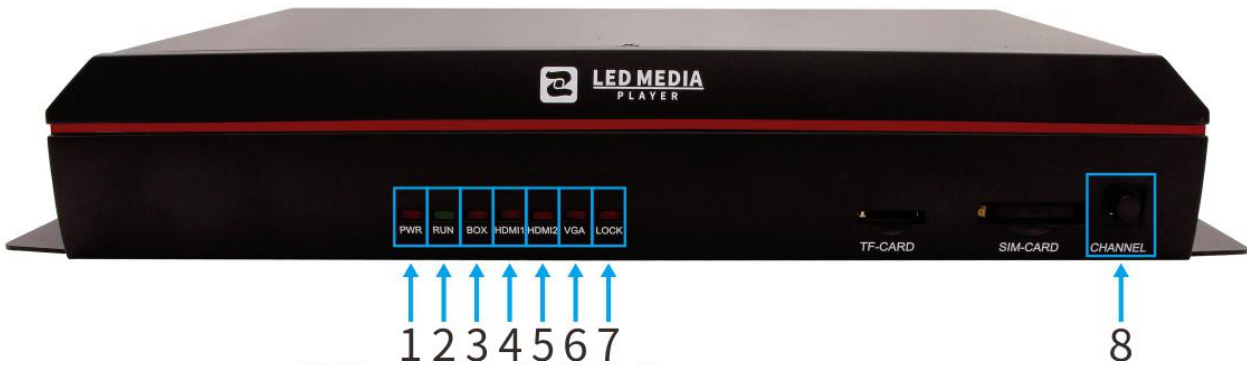
## LED Load Parameters:

Support Gigabit ports to cascade receiving card, the maximum pixels: 2.3 million points.

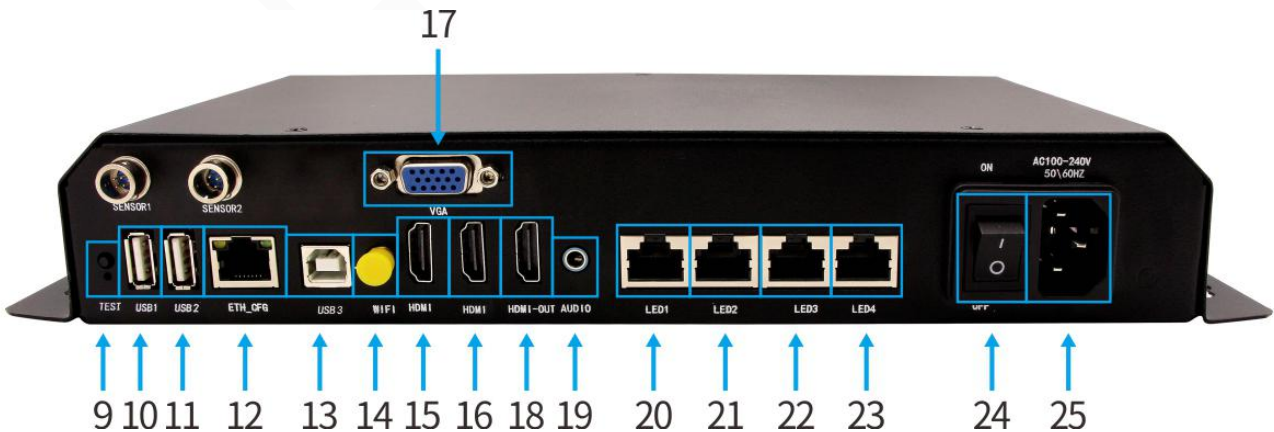
# III. Input/Output Port Arrangement and Definition

## Hardware Introduction:

### The Front Panel



### The Back Panel



NO.:	Name:	Function:	Note:
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## ZH LED Display Control System

1	Indicator	Power indicator	Red light always on
2		Operation indicator	Green light flashing regularly
3		Asynchronous indicator	Red light always on
4		HDMI 1 input indicator	Red light always on
5		HDMI 2 input indicator	Red light always on
6		VGA input indicator	Red light always on
7		LOCK status indicator	Red light always on, lock the video source
8	Switch button	Signal switch button	Switch between Sync/Async functions
9	Test button	Check the vision, test screen	13 kinds of test mode
10	USB port	Upload content, enlarge memory	
11	USB port	Upload content, enlarge memory	
12	PC port	Link with PC, set parameter, send content	
13	USB port	Update system	
14	WiFi antenna port	Link with WiFi antenna	
15	HDMI port	HD HDMI input	
16	HDMI port	HD HDMI input	
17	VGA port	VGA input	
18	HDMI port	HD HDMI output	
19	Audio output port	Connect external active amplifier	
20	GigE Vision	Link with receiving card	
21	GigE Vision	Link with receiving card	
22	GigE Vision	Link with receiving card	
23	GigE Vision	Link with receiving card	
24	ON/OFF	Power on/off	
25	220V port	220V power input port	



# ZH LED Display Control System

## Working Condition:

Rated voltage (V)	220	Maximum	100	Minimum	240
Rated current (A)	0.15	Maximum	0.3	Minimum	0.1
Rated power consumption (W)	33	Maximum	50	Minimum	20
Extreme temperature(°C)		Maximum	80	Minimum	-40
Working environment temperature (°C)		Maximum	80	Minimum	-40
Working environment humidity (%)		Maximum	95	Minimum	0

## IV. Hardware Diagram:

