



ZH LED Control System



ZH-X2

Product Specification





Full Color Asynchronous Specification

ZH-X2

I. Function Introduction:

ZH-X2 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 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: 1.3 million points Maximum Width: 1920, Maximum Height: 1080
Support Resolution (Width*Height)	1920*1080

Communication Port:

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

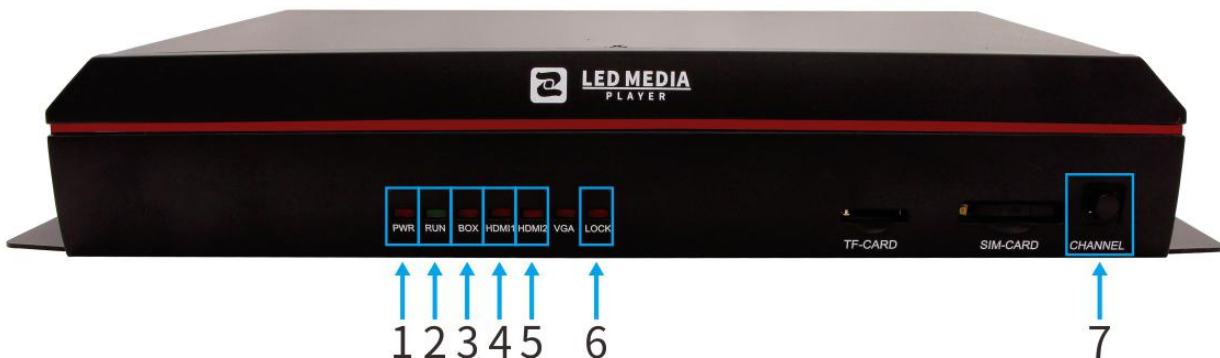
LED Load Parameters:

Support Gigabit ports to cascade receiving card, the maximum pixels:1.3 million points.

III. Input/Output Port Arrangement and Definition

Hardware Introduction:

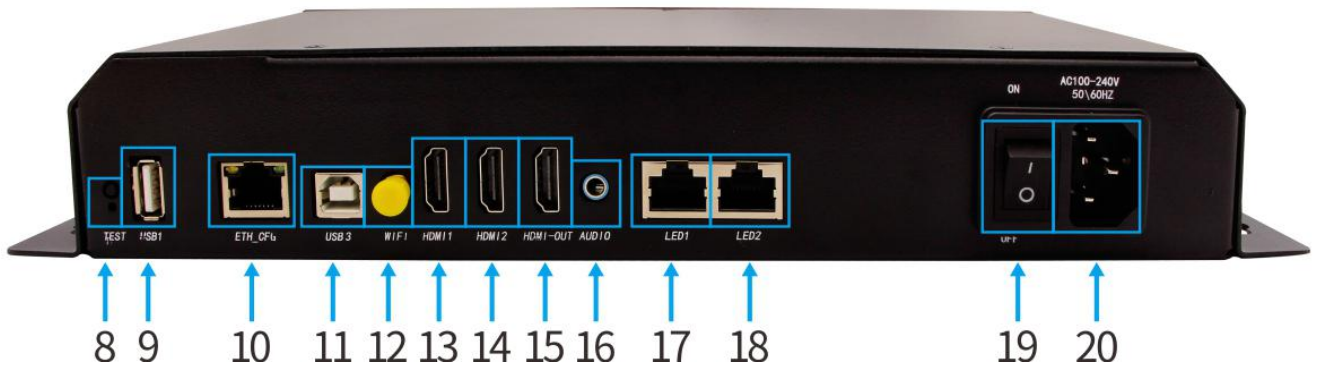
The Front Panel



The Back Panel



ZH LED Display Control System



NO.:	Name:	Function:	Note:
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		LOCK status indicator	Red light always on, lock the video source
7	Switch button	Signal switch button	Switch between Sync/Async functions
8	Test button	Check the vision, test screen	13 kinds of test mode
9	USB port	Upload content, enlarge memory	
10	PC port	Link with PC, set parameter, send content	
11	USB port	Update system	
12	WiFi antenna port	Link with WiFi antenna	
13	HDMI port	HD HDMI input	
14	HDMI port	HD HDMI input	
15	HDMI port	HD HDMI output	
16	Audio output port	Connect external active amplifier	



ZH LED Display Control System

17	GigE Vision	Link with receiving card	
18	GigE Vision	Link with receiving card	
19	ON/OFF	Power on/off	
20	220V port	220V power input port	

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:



ZH LED Display Control System

