



ZH LED Control System



# ZH-C920

## Product Specification





# Full Color Asynchronous Specification

## ZH-C920

### I. Function Introduction:

ZH-C920 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. Support 2-line Wi-Fi, 3G/4G/ Wi-Fi and other access to Internet to manage;
7. Support remote cluster release management system;
8. Offer SDK file;
9. Support HD video hard decoding;
10. Supports audio output, 3.5mm standard audio output interface;
11. Support USB to play video and pictures directly;
12. Support brightness automatic, timing adjustment;
13. Support program play in sequence and timing;
14. Support UDP network communication protocol;
15. Support DHCP to obtain IP address automatically;
16. Support emergency information insertion;
17. Support weather forecast;
18. Support 2 pcs HDMI input port; 1 pcs VGA input port, 1 pcs HDMI output port;
19. Support one-button testing full screen;
20. Supports multiple video Windows to play simultaneously;
21. Support environmental monitoring;
22. Support manual switch, timing switch;
23. Support log, screen status checking;
24. Support multi-device play synchronously;
25. Support cloud login dynamic verification, support grouping, classification, monitoring, verify and other permission to manage.

### II. Basic Function Parameters

#### System Parameters:



## ZH LED Display Control System

CPU	8-core A53, 1.5GHz
Operation System	Android 5.1
System Storage	8G (The system takes up about 2.5G)
Control Area	Loading Points: 2.3 million points Maximum Width: 3840, Maximum Height: 1536

### Communication Port:

1. Support Wi-Fi hot-pot;
2. TF card port, support external expansion of storage space (optional);
3. Support U disk port;
4. Support 100M/1000M network adaptation;
5. Support server cluster;
6. Support 3G/4G communication(optional).

### System Security:

1. Many mechanisms like Cloud login dynamic verification, Ali cloud server, display terminal password verification and so on, to ensure the safety of data!
2. Support grouping, classification, monitoring, audit and other permission to manage.

### LED Load Parameters:

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

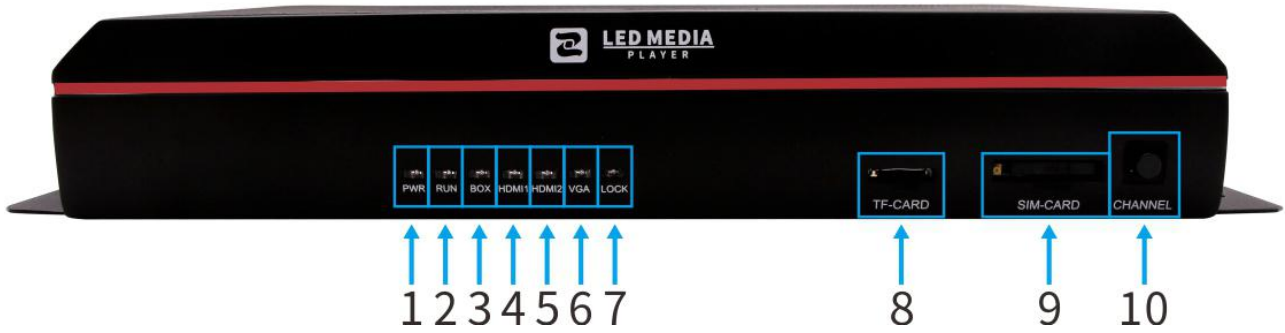
## III. Input/Output Port Arrangement and Definition

### Hardware Introduction:

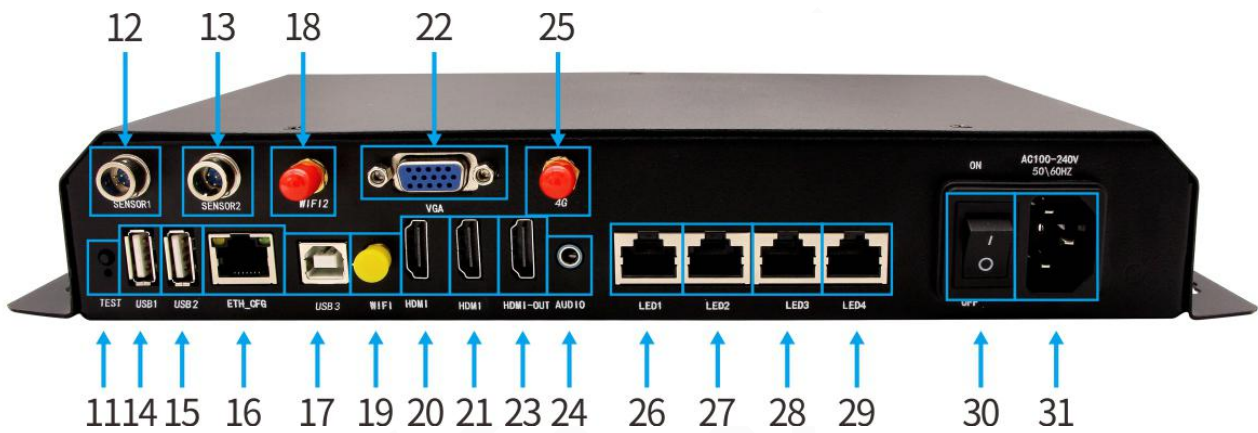
#### The Front Panel



# ZH LED Display Control System



## The Back Panel



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		VGA input indicator	Red light always on
7		LOCK status indicator	Red light always on, lock the video source
8	TF card port	Enlarge the memory	
9	SIM card port	4G Data card port	



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10	Switch button	Signal switch button	Switch between Sync/Async functions
11	Test button	Check the vision, test screen	13 kinds of test mode
12	Sensor port	Connect with light sensor	
13	Environment monitoring port	Connect the environmental monitoring board	
14	USB port	Read the content, enlarge the memory	
15	USB port	Read the content, enlarge the memory	
16	PC port	Connect with PC, set parameter, send content	
17	USB port	Update the system	
18	WiFi antenna port	Connect with WiFi antenna	
19	WiFi antenna port	Connect with WiFi antenna	
20	HDMI port	HD HDMI input	
21	HDMI port	HD HDMI input	
22	VGA port	VGA input	
23	HDMI port	HD HDMI output	
24	Audio output port	Connect external active amplifier	
25	4G antenna port	Receive 4G signal	
26	GigE Vision	Link with receiving card	
27	GigE Vision	Link with receiving card	
28	GigE Vision	Link with receiving card	
29	GigE Vision	Link with receiving card	
30	ON/OFF	Power on/off	
31	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:



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