



ZH LED Control System



ZH-C2

Product Specification





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ZH-C2

I. Function Introduction:

ZH-C2 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. Support mobile APP (Android + iPhone) to send program;
4. Support U-disk, Wi-Fi hot-spot (AP mode) and Internet (STA mode) to realize cluster management;
5. Support remote cluster release management system;
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 1 pcs HDMI output port;
17. Support one-button full screen test;
18. Support 2pcs video Windows to play simultaneously;
19. Support manual switch, timing switch;
20. Support log, screen status checking;
21. Support multi-device play synchronously;
22. Support cloud login dynamic verification, support grouping, classification, monitoring, verify and other permission to manage.

II. Basic Function Parameters



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System Parameters	
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: 1.3 million points Maximum Width: 4096, Maximum Height: 2160
Support Resolution (Width*Height)	480*1344, 512*1280, 576*1080, 640*1024, 800*800, 896*728, 960*680, 1024*640, 1120*576, 1280*512, 1440*448, 1536*410, 1600*400, 1760*368, 1920*340
Receiving card	All series ZH receiving card
Device Port	
Synchronous input interface and quantity	Not support synchronous
Asynchronous input interface and quantity	Gigabit network*1,USB*2,WiFi*1
Output port and quantity	Gigabit network*2,Audio*1, HDMI*1
Media playback formats	
program, window	Multi-program sequence, timing and other playback methods; arbitrary partition and overlay playback of windows
Video formats	AVI,F4V,WMV,MPG, RM/RMVB,MOV,VOB,MP4,FLV,TS,MKV and other common video formats; can support 2 video windows to play at the same time
Picture formats	BMP、JPG、PNG、GIF and so on
Audio formats	MPEG(MP3)、AAC and so on
Text document	Support software to edit single-line, multi-line, colorful text; support TXT documents import;



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	support word, Excel, PPT, etc. of 2007 or later versions of office import
Other function	Support clock, watch face, timing, weather forecast (commercial grade), streaming media, etc.
Management and control	
Software	PC: LEDPlayerV5; APP: LED Mobile Color; WEB
Program update communication	U disk export, plug and play; self-adaptive 100M/1000M network port direct connection or access to LAN to send; WiFi AP mode or STA mode control
FPGA file	Built-in many brand module FPGA file, can quickly debug the display
Brightness setting	Screen brightness can be set according to time
Remote controller	Play volume, signal, material, etc. can be controlled through the software remote control function
cluster mode	Support local server cluster, Support cloud server cluster
Safety	
Local	Support local send password setting

III. Input/Output Port Arrangement and Definition

Hardware Introduction:

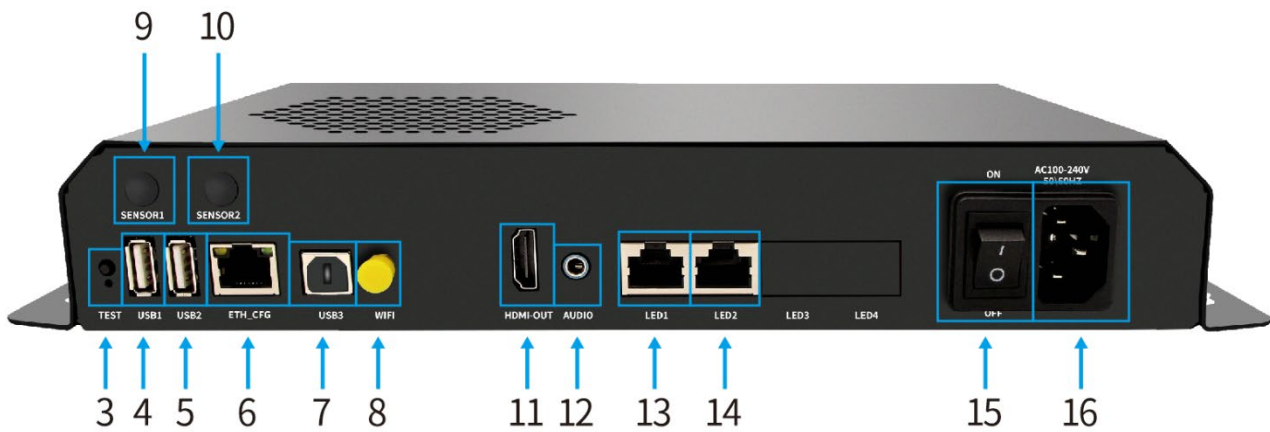
The Front Panel



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The Back Panel



NO.:	Name:	Function:	Note:
1	Indicator	Power indicator	Red light always on
2		Operation indicator	Green light flashing regularly
3	Test button	Checking device information, test screen	13 kinds of test mode
4	USB port	Read content, enlarge memory	
5	USB port	Read content, enlarge memory	
6	PC port	Link with PC, set parameter, send content	
7	USB port	Hardware update	
8	WiFi antenna port	Link with WiFi antenna	
9	Sensor port	Connect with light sensor	Need to be customized



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10	Reserved port	Reserved interface for backup	Need to be customized
11	HDMI port	HD HDMI output	
12	Audio output port	Connect external active amplifier	
13	Gigabit port	Link with receiving card	
14	Gigabit port	Link with receiving card	
15	Switcher	Power switcher	
16	220V port	220V power input port	

Working Condition:

Rated voltage (V)	220	Maximum	240	Minimum	100
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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