



®

ZH LED Control System



# ZH-X2L

## Product Specification





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## ZH-X2L

### I. Function Introduction:

ZH-X2L 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<br>Maximum Width: 3840, Maximum Height: 1536 |
|--------------|---|

### Communication Port:

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

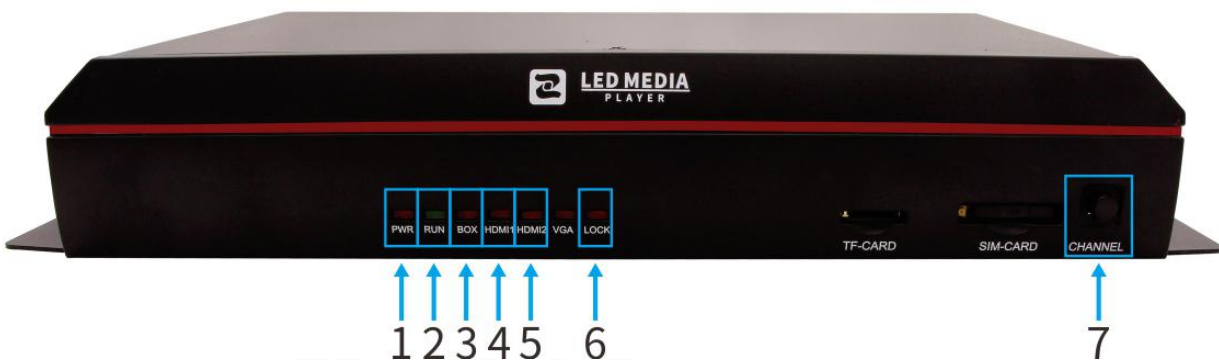
### LED Load Parameters:

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

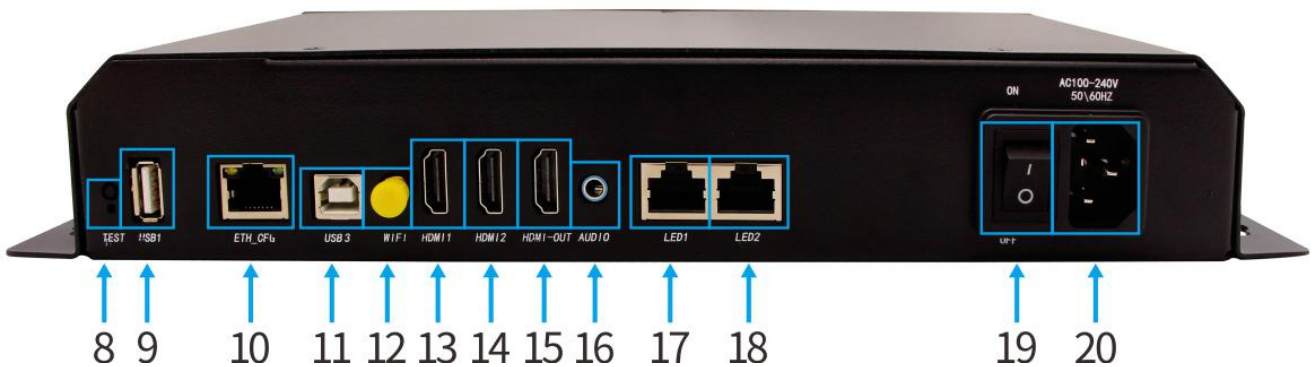
## III. Input/Output Port Arrangement and Definition

### 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         |  |
| 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 |



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|                                      |    |         |    |         |     |
|--------------------------------------|----|---------|----|---------|-----|
| 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:

