



# Product Specifications

Full Color Asynchronous Controller

**HD-A3**

V3.0 20211009

## 1. System Overview

HD-A3 is an LED control system for remote control and offline HD video playback for small-pitch LED advertising screens. Including asynchronous sending box HD-A3, receiving card R500/R501 and control software HDPlayer three parts.

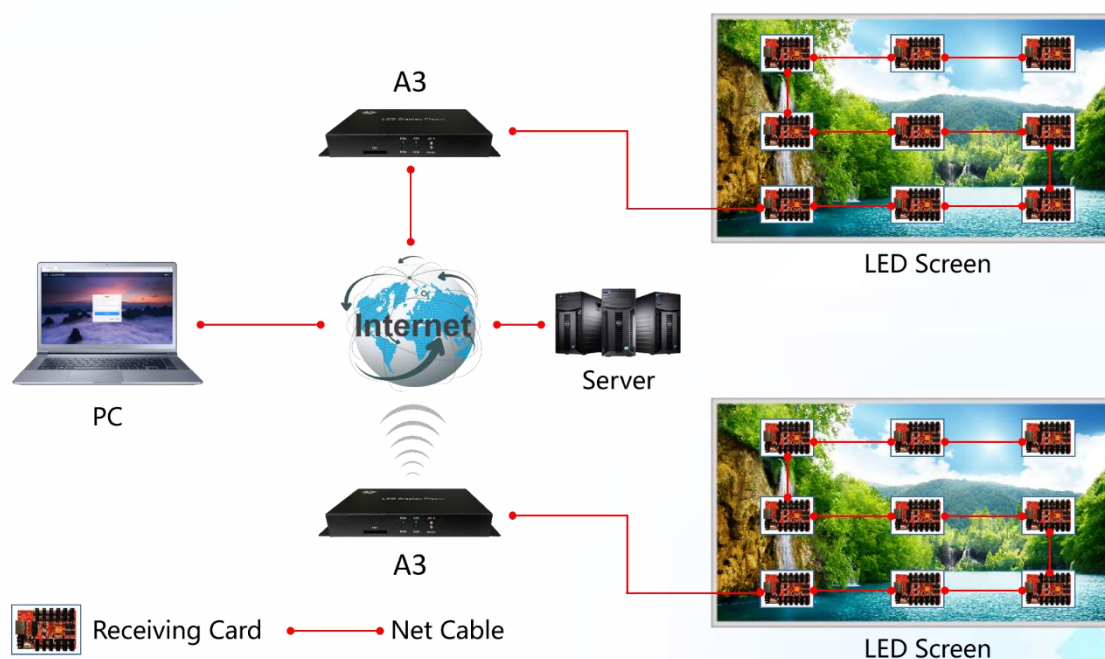
The user completes the parameter setting and program editing and transmission of the display through HDPlayer.

### Controlling System Configuration

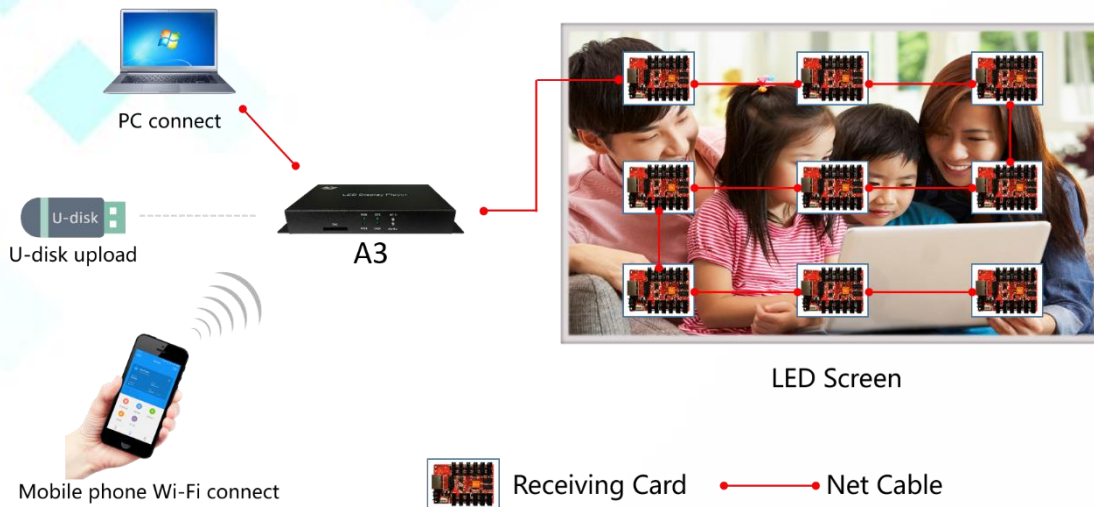
| Product                 | Type     | Functions                                                          |
|-------------------------|----------|--------------------------------------------------------------------|
| <b>Async controller</b> | HD-A3    | Asynchronous core parts, It has 8GB memory.                        |
| <b>Receiving card</b>   | R Series | Connected the screen, Showing program in the screen                |
| <b>Control Software</b> | HDPlayer | Screen parameter settings, editing the program, send program, etc. |
| <b>Accessories</b>      |          | 12V Power Adapter, Network cables, etc.                            |

## 2. Control mode

- 1) Internet unified management: The play box can be connected to the Internet through 4G (optional), network cable connection, or Wi-Fi Bridge.



- 2) Asynchronous one-to-one control: Update programs by network cable connections, Wi-Fi connections or USB flash drives. LAN (cluster) control can access the LAN network through by network cable connection or Wi-Fi Bridge.



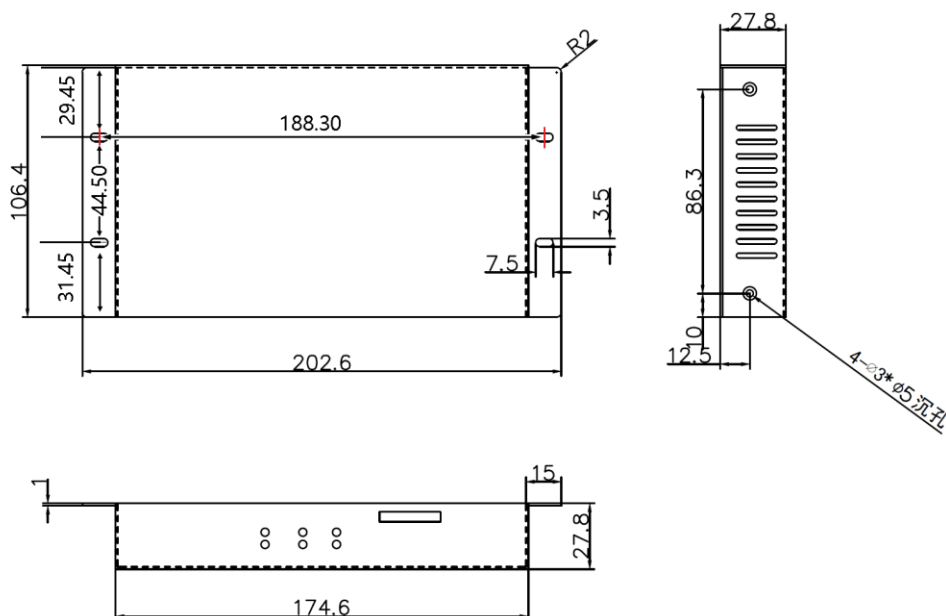
### 3. Product Features

- Control Range: 655,360 pixels
- 8GB memory, support expanding memory by U-disk.
- Support HD video decoding, 60Hz frame rate output.
- Support widest 4096 pixel, highest 2048 pixel.
- No need set IP address, it could be identified by controller ID automatically.
- Unified management of more LED display through Internet or LAN.
- Equipped with Wi-Fi, Mobile APP management.
- Equipped 3.5mm standard audio interface output.
- Support 4G connection (Optional).

## 4. System Function list

| Function              | Parameters                                                                                                                                        |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Control Range</b>  | Resolution: 655,360 pixels (1280*512), Widest 4096 pixels, highest 2048 pixels                                                                    |
| <b>Gray Scale</b>     | 256-65536 (adjustable)                                                                                                                            |
| <b>Play Functions</b> | Video, Pictures, Gif, Text, Office, Clocks, Timing, etc.<br>Support connected IR Remote, Temperature, Humidity, Brightness, PM Value sensor, etc. |
| <b>Video Format</b>   | HD video hard decoding, 60Hz frame rate output.<br>AVI, WMV, RMVB, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc.          |
| <b>Image Format</b>   | Support BMP, GIF, JPG, JPEG, PNG, PBM, PGM, PPM, XPM, XBM, etc.                                                                                   |
| <b>Text</b>           | Text editing, Image, Word, Txt, Rtf, Html, etc.                                                                                                   |
| <b>Document</b>       | DOC, DOCX, XLSX, XLS, PPT, PPTX, etc.<br>Microsoft Office 2007 Document format                                                                    |
| <b>Time</b>           | Classic Analog Clock, digital clock and various of clock with image background                                                                    |
| <b>Audio output</b>   | Double track stereo audio output                                                                                                                  |
| <b>Memory</b>         | 8GB Flash Memory, support expanding memory by U-disk                                                                                              |
| <b>Communication</b>  | 100/1000 Mbps RJ45 Ethernet, Wi-Fi, 4G, LAN, USB                                                                                                  |
| <b>Working Temp</b>   | -40°C-80°C                                                                                                                                        |
| <b>Port</b>           | IN: 12V Power Adapter*1, 1Gbps RJ45*1, USB 2.0*1, Test Button*1, GPS, 3G/4G(Optional), Sensor port*1,<br>OUT: 1Gbps RJ45*1, AUDIO*1               |
| <b>Power</b>          | 18W (12V DC power supply)                                                                                                                         |

## 5. Dimension Chart



## 6. Appearance Description



1. Sensor port: connected to temperature, humidity, brightness, PM2.5, noise sensor, etc.
2. Output 1Gbps network port: connect to receiving card.
3. Audio output port: support standard two-track stereo output.
4. USB port: connected to USB device, e.g U-disk, Mobile hard disk, etc.
5. Reset button: restore factory settings.
6. Test button: after smart setting, each press will appear red, green, blue, white, shaded test line sequentially.
7. Input network port: connected to the computer network port.
8. Power port: connected 12V DC.
9. Power port: connected 5V DC.
10. 4G antenna Port: connected 4G antenna (Optional).
11. Wi-Fi antenna Port: connected Wi-Fi antenna.
12. SIM card slot: inserted with 4G SIM card for 4G internet (Optional).
13. PWR power light: normally working.
14. RUN running light: normal on work is flashes.
15. GPS light: normal green flashes (Optional).
16. DISP running light: normal green flashes.
17. Wi-Fi light: normal green flashes.
18. 3G/4G light: normal green flashes (Optional).

## 7. Basic Parameters

|                                         | Minimum                 | Typical | Maximum |
|-----------------------------------------|-------------------------|---------|---------|
| <b>Rated voltage(V)</b>                 | 5                       | 12      | 12      |
| <b>Storage temperature(°C)</b>          | -40                     | 25      | 105     |
| <b>Work environment temperature(°C)</b> | -40                     | 25      | 70      |
| <b>Work environment humidity (%)</b>    | 0.0                     | 30      | 95      |
| <b>Net weight (kg)</b>                  | 0.529                   |         |         |
| <b>Certificate</b>                      | CCC, CE, FCC, RoHS, BIS |         |         |

Note: To ensure long-term stable operation of the system, please keep using a standard 5V or 12V adapter for supply power.