Product Specifications

Full Color Asynchronous Controller

HD-A3

V3.1 20190418

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.

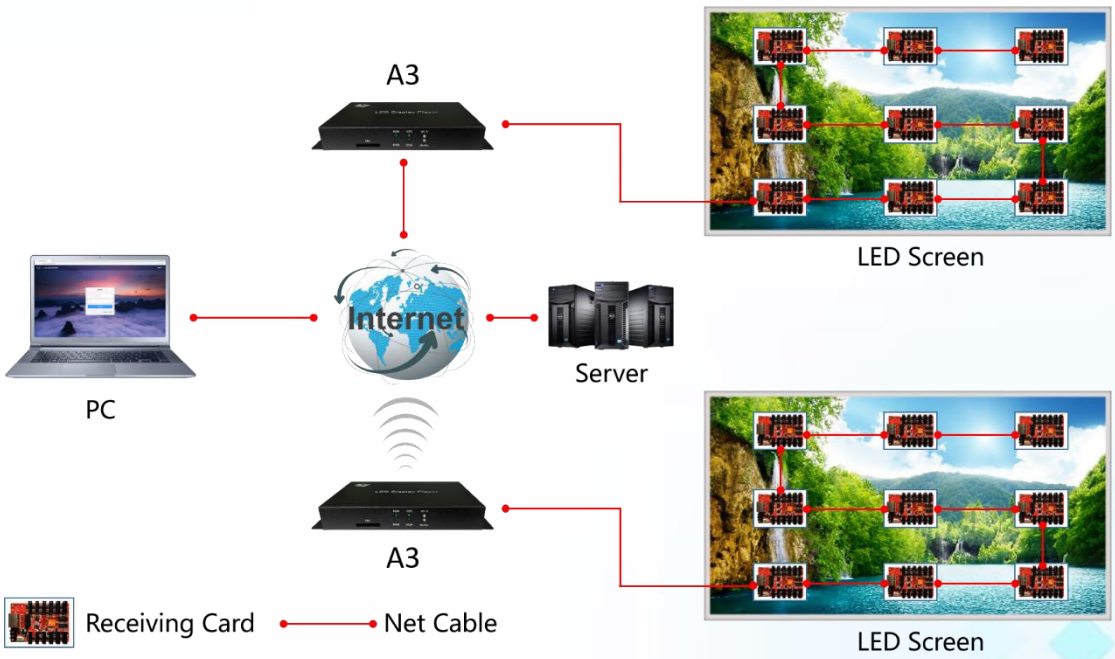
The user completes the parameter setting and program editing and transmission of the display through HDPlayer.

Controlling System Configuration

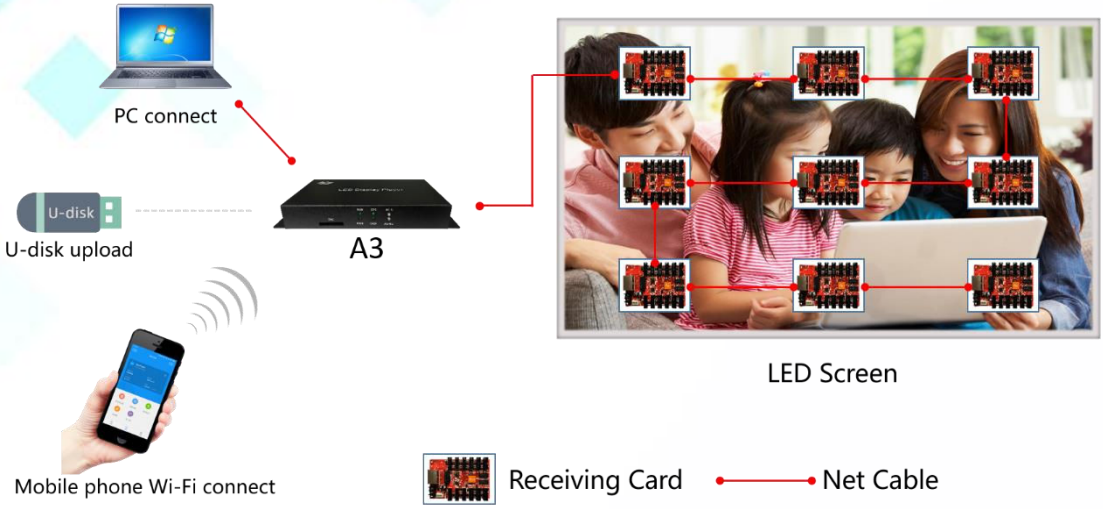
Product	Type	Functions
Async controller	HD-A3	Asynchronous core parts, It has 8GB memory.
Receiving card	R Series	Connected the screen, Showing program in the screen
Control Software	HDPlayer	Screen parameter settings, editing the program, send program, etc.
Accessories		12V Power Adapter, Network cables,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

2. Control mode

1) Internet unified management: The play box can be connected to the Internet through 3G/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.



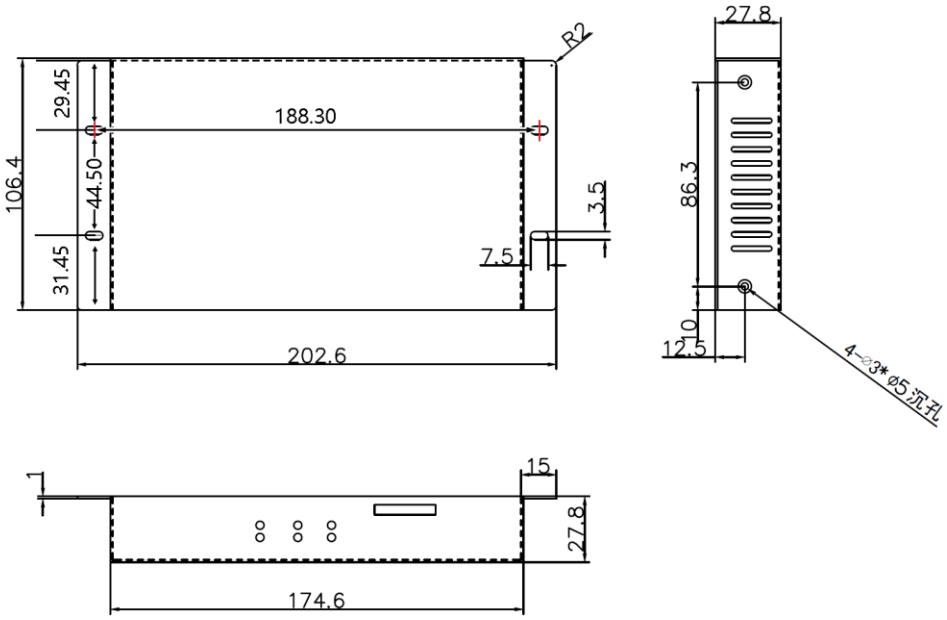
3. Product Features

- Control Range: 655,360 million pixels
- 8GB memory, support expending 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 3G/4G connection (Optional).

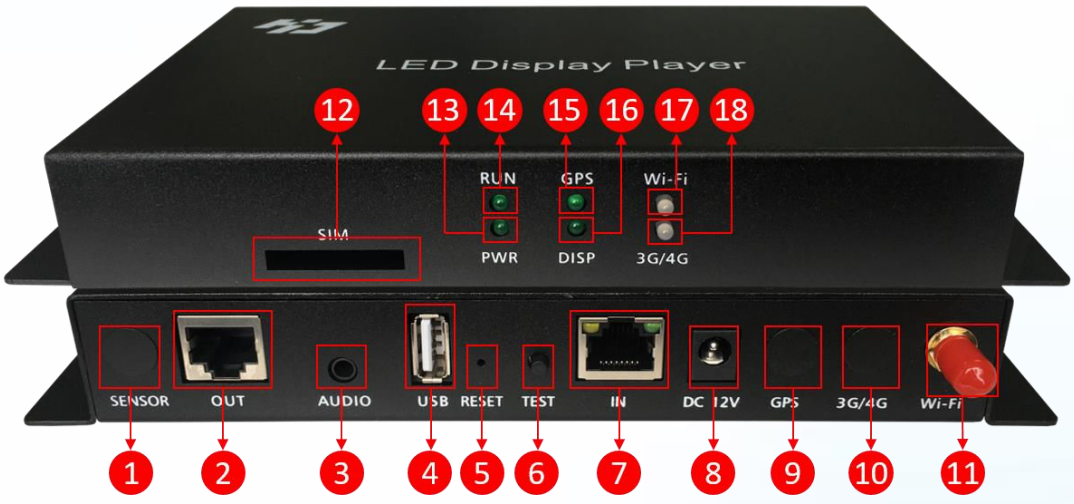
4. System Function list

Control Range	Resolution: 655,360 million pixels (1280*512), Widest 4096 pixel, highest 2048 pixel
Gray Scale	256-65536 (adjustable)
Play Functions	Video, Pictures, Gif, Text, Office, Clocks, Timing, etc. Support connected IR Remote, Temperature, Humidity, Brightness, PM Value sensor, etc.
Video Format	HD video hard decoding, 60Hz frame rate output. AVI, WMV, RMVB, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc.
Image Format	Support BMP, GIF, JPG, JPEG, PNG, PBM, PGM, PPM, XPM, XBM, etc.
Text	Text editing, Image, Word, Txt, Rtf, Html, etc.
Document	DOC, DOCX, XLSX, XLS, PPT, PPTX, etc. Microsoft Office 2007 Document format
Time	Classic Analog Clock, digital clock and various of clock with image background
Audio output	Double track stereo audio output
Memory	8GB Flash Memory, support expanding memory by U-disk
Communication	100/1000 Mbps RJ45 Ethernet, Wi-Fi, 3G/4G, LAN, USB
Working Temp	-40℃-80℃
Port	IN：12V Power Adapter*1, 1Gbps RJ45*1, USB 2.0*1, Test Button*1, GPS, 3G/4G(Optional), Sensor port*1, OUT：1Gbps RJ45*1，AUDIO*1
Power	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. GPS port: satellite time correction & satellite positioning (Optional).
10. 3G/4G Port: connected 3G/4G antenna (Optional).
11. Wi-Fi Port: connected Wi-Fi antenna.
12. SIM card slot: inserted with 3G/4G card for 3G/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
Rated voltage(V)	11.2	12	12.5
Storage temperature(℃)	-40	25	105
Work environment temperature(℃)	-40	25	80
Work environment humidity（%）	0.0	30	95
Net weight（kg）	0.529		
Certificate	CCC, CE, FCC, RoHS, BIS		

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