Product Specifications

Full Color Asynchronous Controller

HD-A3

V4.0

1. System Overview

HD-A3 is an LED control system support remote control and offline HD video playback for Outdoor and indoor LED advertising screens. Including asynchronous sending box HD-A3, receiving cards like R500S/R512T/R712 etc. and control software HDPlayer (or LedArt App) three parts.
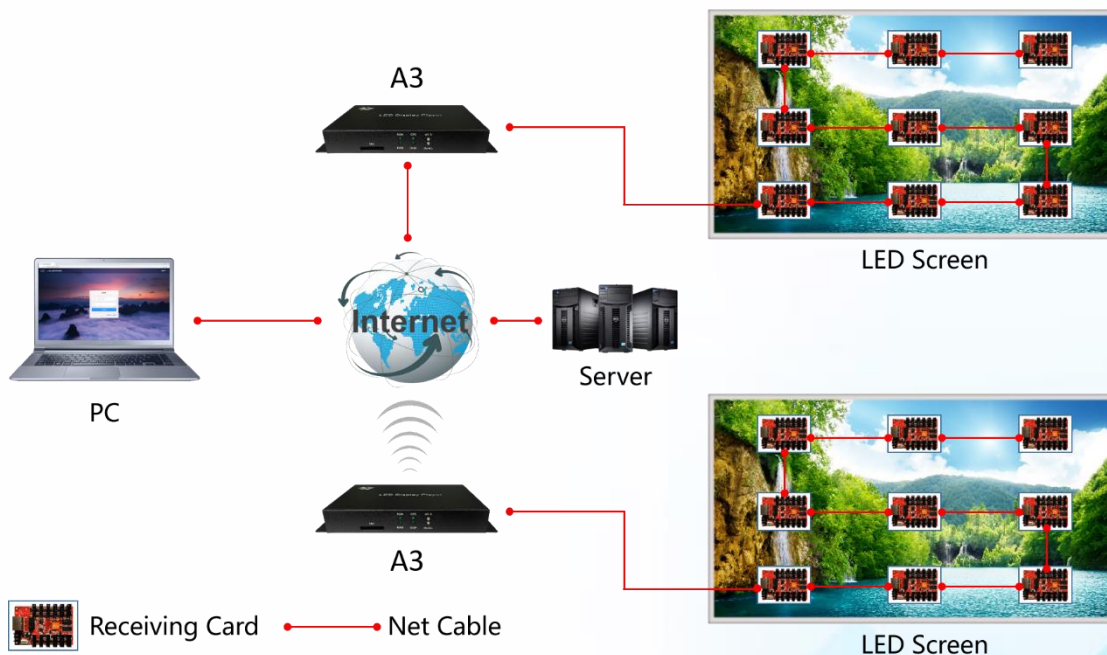
The user completes the parameter setting and program editing and transmission of the display through HDPlayer software.
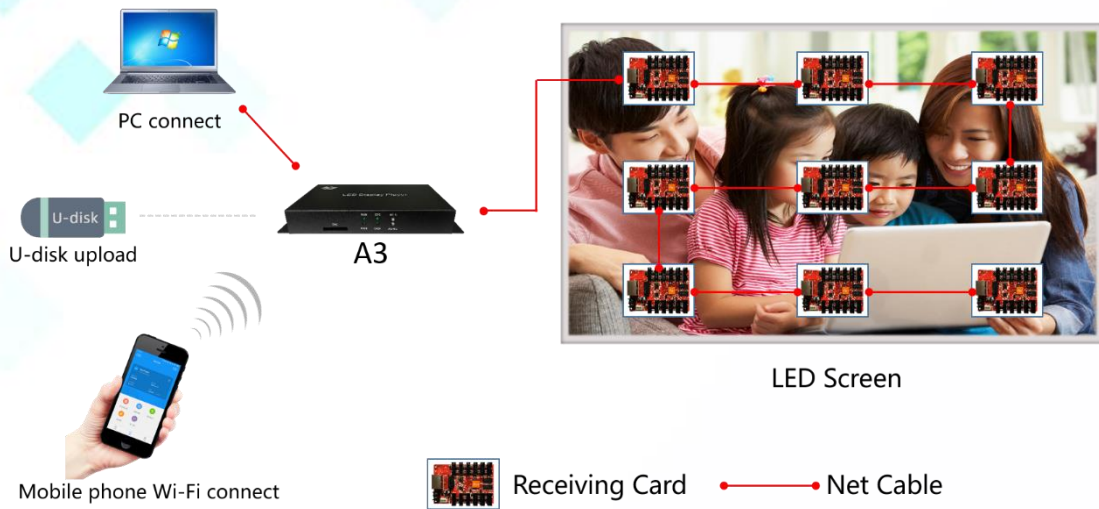
Controlling System Configuration

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 Ledart(AP)	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 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.
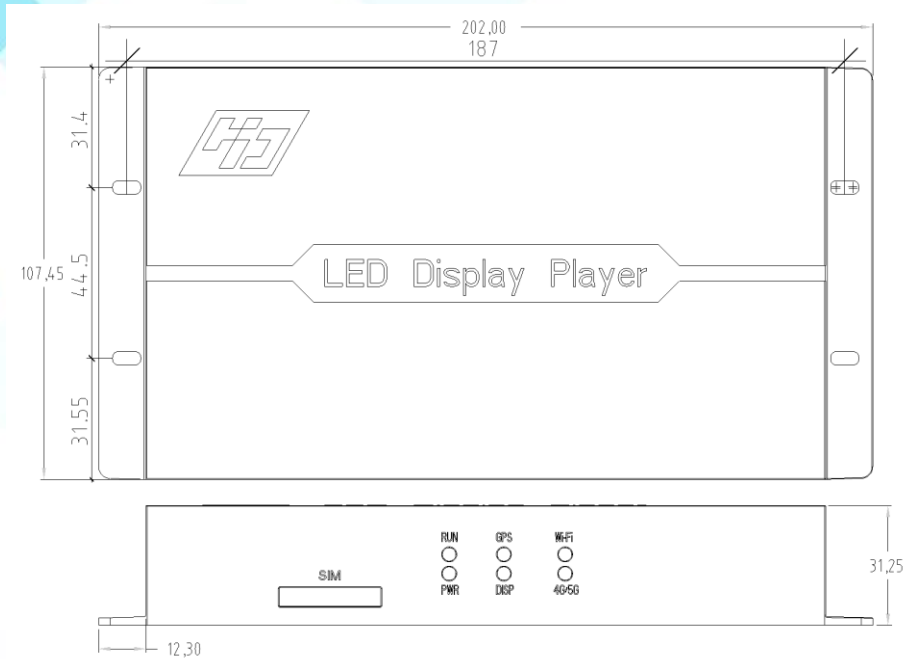

PC connect

U-disk upload

Mobile phone Wi-Fi connect

A3

LED Screen

Receiving Card ——— Net Cable

3. Product Features

➢ Control Range: 655,360 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 4G connection (Optional).
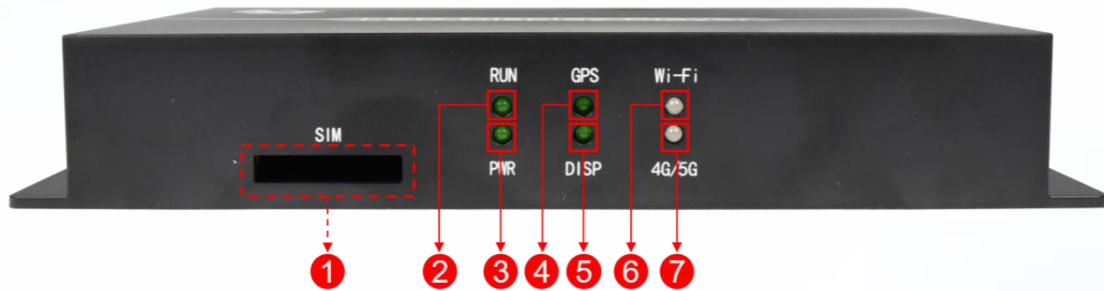
4. System Function list

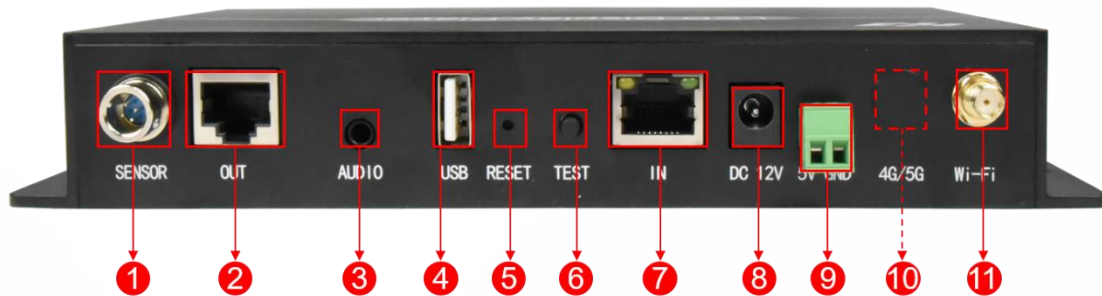| Function	Parameters
Control Range	Resolution: 655,360 pixels (1280*512), Widest 4096 pixels, highest 2048 pixels
Gray Scale	256-65536 (adjustable)
Play Functions	Video, Pictures, Gif, Text, Office, Clocks, Timing, etc. Support connected IR Remote, Temperature, Humidity, Brightness, PM Value sensor, 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, 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, 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

Front Panel:

Num.	Interface Description
1	SIM card slot/ 4G data card socket (optional function).
2	SIM card slot 4G data card socket (optional function).
3	The power indicator light is always on during normal operation.
4	GPS indicator, normal working green light flashing.

5	The indicator light is displayed, and the green light flashes on the normal output screen.
6	Wi-Fi indicator, normal working green light flashing.
7	4G/5G indicator, the green light flashes in normal operation (optional function).

Rear Panel:

Num.	Interface Description
1	Used to connect external sensors such as temperature, humidity, brightness, PM value, noise, etc.
2	Gigabit output network port, connect to the receiving card.
3	TRS standard two-channel audio output port.
4	USB interface, can be used to update the program or emergency insertion.
5	Reset button, long press to restore factory settings.
6	The test button is used to test the display module balance, chromaticity, check dead lights and other functions.
7	Input network port, connect with computer for debugging/updating programs, and also connect to local area network/Internet.
8	Power adapter interface, input 12V DC power supply.

9	5V DC power input interface, choose one from 12V DC power input.
10	4G/5G antenna interface (optional function).
11	Wi-Fi antenna interface.

7. Basic Parameters

Parameter item	Parameter value
Work voltage（V）	DC 5V~12V
Work temperature（℃）	-40℃~70℃
Work environment（RH）	0%RH~95%RH
Storage temperature（℃）	-40℃~70℃

Note:

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

2.   There may be slight differences between the product pictures in the specification and the physical appearance. If you have any questions, please contact the technical support or salesperson for confirmation.