Product Specifications

Full Color Dual-Mode box

HD-A4

V1.1 20190515

1. System Overview

HD-A4, it is an LED control system for remote control and offline HD video playback for small-pitch LED advertising screens. Including asynchronous sending box HD-A4, receiving card R50X and control software HDPlayer three parts.

HD-A4 can come to some functions such as video playback, program storage, and parameter setting. It is sending part.

R50X is receiving card for grayscale technology, which realizes the scanning display of LED screen.

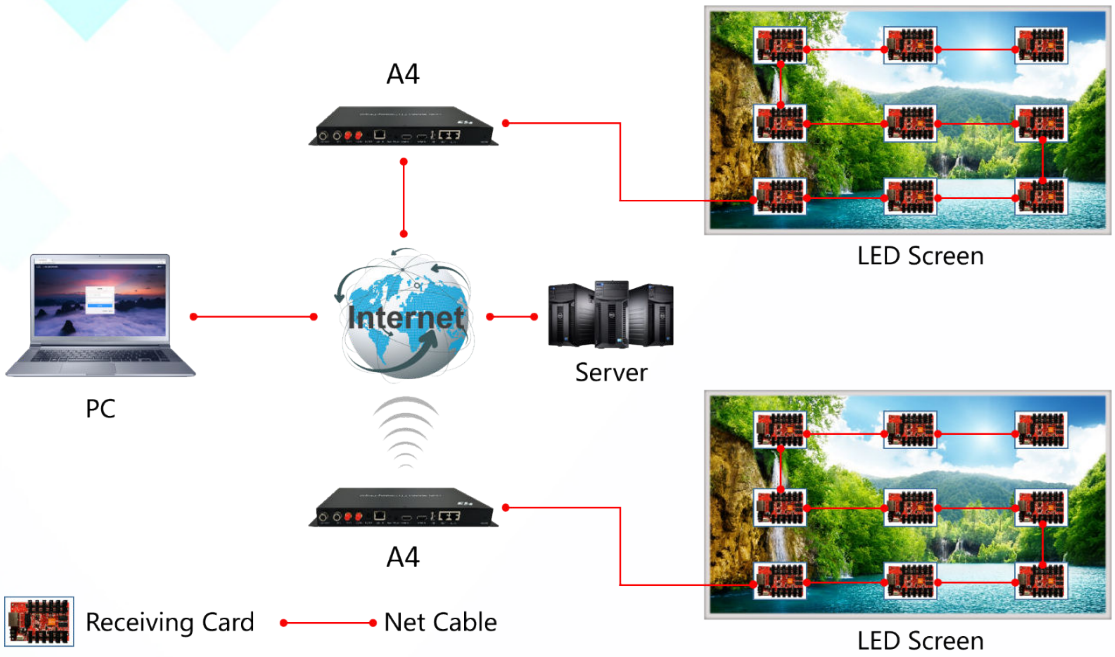
The user completes the parameter setting and program editing and transmission of the display through HDPlayer.

Controlling System Configuration

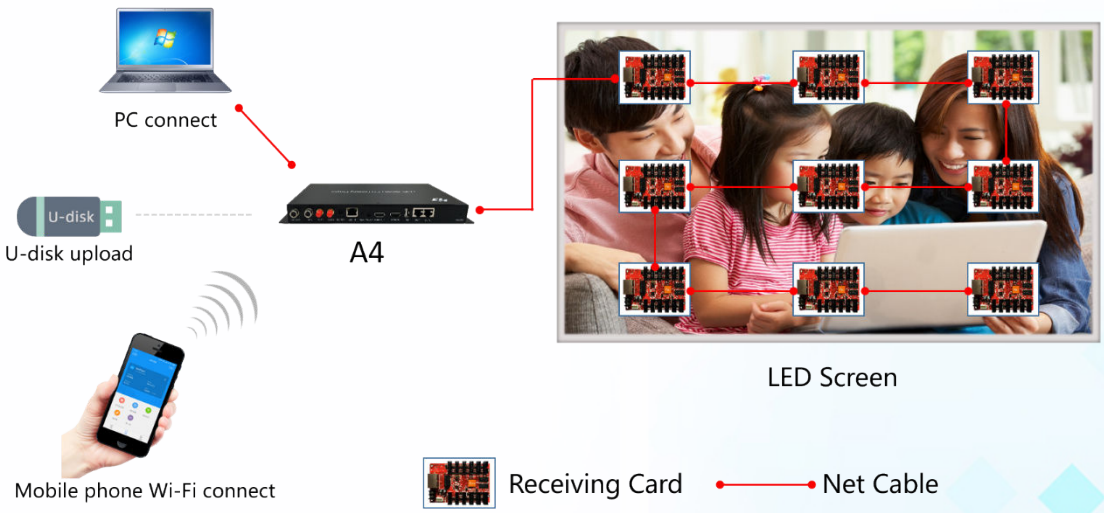
Product	Type	Functions
Dual-mode LED display player	HD-A4	Asynchronous core parts It has 8GB memory.
Receiving card	R Series	Connected the screen, Showing programs in the screen
Control Software	HDPlayer	Screen parameter settings, editing the program, send program, etc.
Accessories		12V Power Adapter, Network cables, HDMI Cable. etc.

2. Control mode

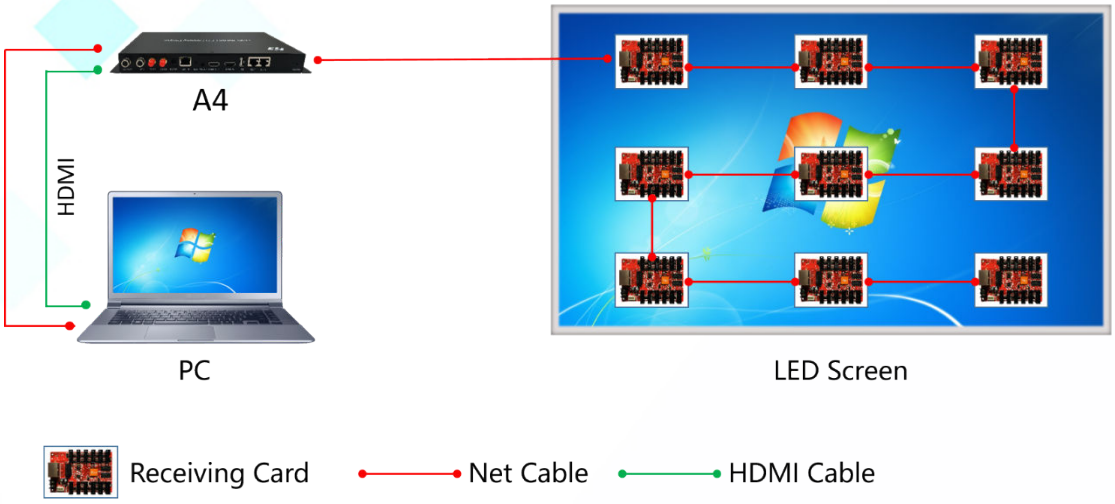
1. Internet unified management: The play box can be connected to the Internet through 3G/4G (optional), network cable connection, or Wi-Fi Bridge.



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. Real-time picture synchronization display: The play box is connected to the sync source through the HDMI high-definition video line, and the sync picture is automatically scaled without any setting.



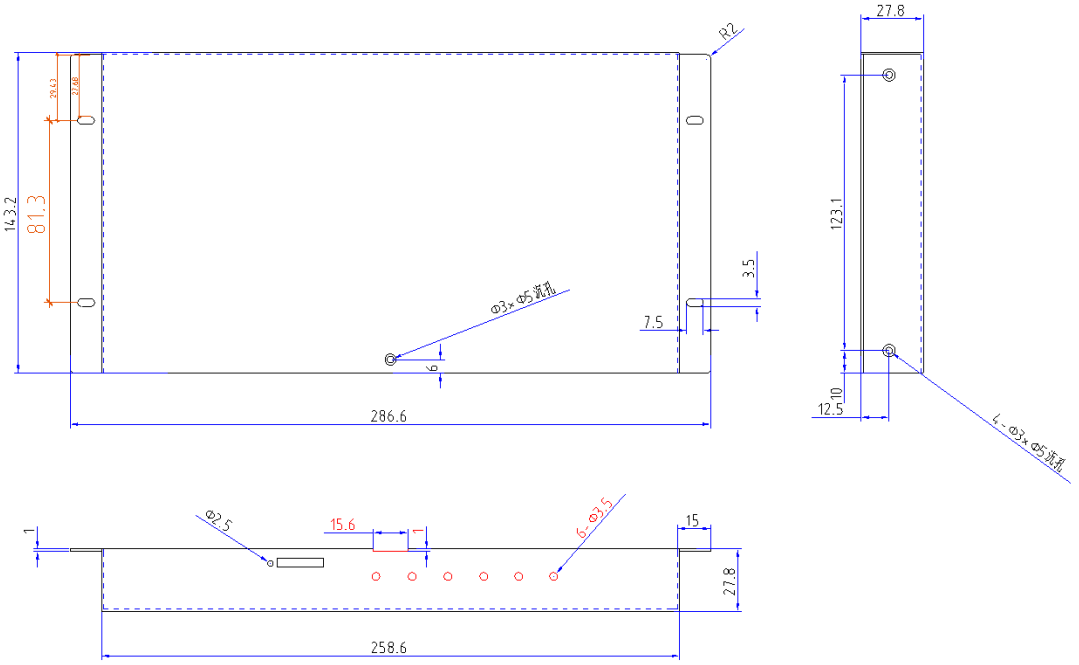
3. Product Features

- Support Asynchronous & Synchronous.
- Control Range: 655,360 million pixels.
- Support expending memory by U-disk.
- HDMI high-definition video input & output.
- Support HD video decoding, 60Hz frame rate output.
- Support HDMI HD video zoom, no need video processor.
- Support widest 3840 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.

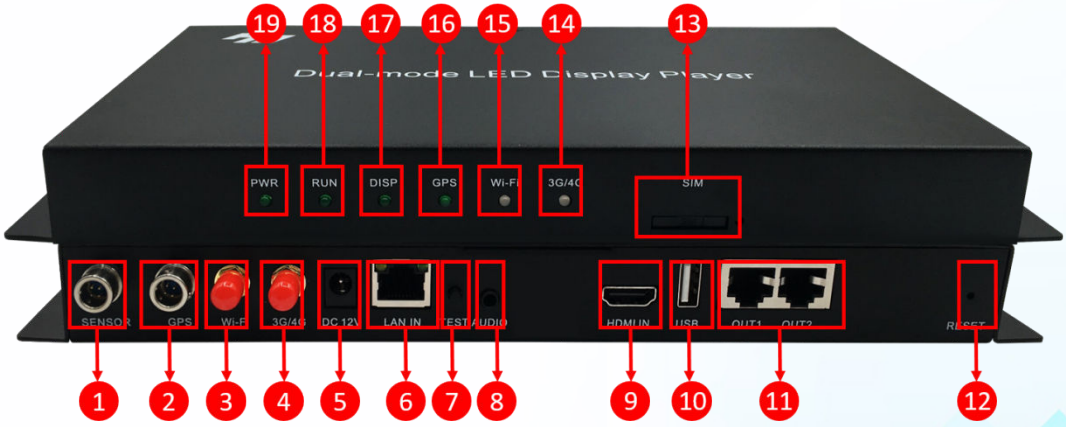
4. System Function list

Control Range	Resolution: 655,360 million pixels (1280*512), Widest 3840 pixel, highest 2048 pixel
Gray Scale	256-65536 (adjustable)
Basic Functions	Video, Pictures, Gif, Text, Office, Clocks, Timing, etc. Remote, Temperature, Humidity, Brightness, PM Value, etc. Support Synchronized picture auto-zooming, Playing Live Screen Without Video Processor
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. Office2007 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, Expanding memory by U-disk
Communication	100M/1000M 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, HDMI*1 OUT：1Gbps RJ45*1，AUDIO*1
Power	18W (12V DC power supply)

5. Dimension Chart



6. Appearance Description



1. Sensor port, for connect S108, S208 Sensor.
2. GPS port, Satellite time (optional), Fixed-point broadcasting.
3. Wi-Fi Antenna port: Connecting Wi-Fi Antenna.
4. 3G/4GAntenna port: Connecting 3G/4G Antenna.
5. Power port，connect 12V.
6. Input network port, connected to the computer network port.
7. Test button: for test module.
8. Audio output port: standard two-channel stereo output.
9. HDMI Input port: Video Signal Input, Connecting Computer, Set Top Box, etc.
10. USB port: Connecting USB devices, such as: U disk, mobile hard disk, etc.
11. Output Network Port: Connect to Receiving Card.
12. Reset button: Used to restore default parameter values.
13. SIM card slot, inserted with 3G/4G card for 3G/4G internet (Optional).
14. 3G4G light, normal green flashes (Optional).
15. Wi-Fi light, showing the Wi-Fi working status.
16. GPS light, showing the GPS working status.
17. Screen Display light: showing the programs status of the display.
18. RUN running light: showing the box working status.
19. Power light, showing power-on status of the box.

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）	0.948		
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.