Product Specifications

4K Super Master

HD-A7

V2.0 20220408

1. Product Overview

HD-A7 is a Dual-mode LED controller for Ultra-large resolution outdoor or indoor advertising, led wall, digital signage, and other commercial applications.

It support cloud control to play videos, pictures, texts, clocks, animated words, weather forecasts, etc. and it support for mobile phone/tablet wireless screen projection, what is more? A7 also support for intelligent voice control.

HD-A7 also supports synchronous and asynchronous one-key switching playback, and users can set automatic switching and timing switching to change the playback mode. Support 4-channel video Synchronized playback display at the same time
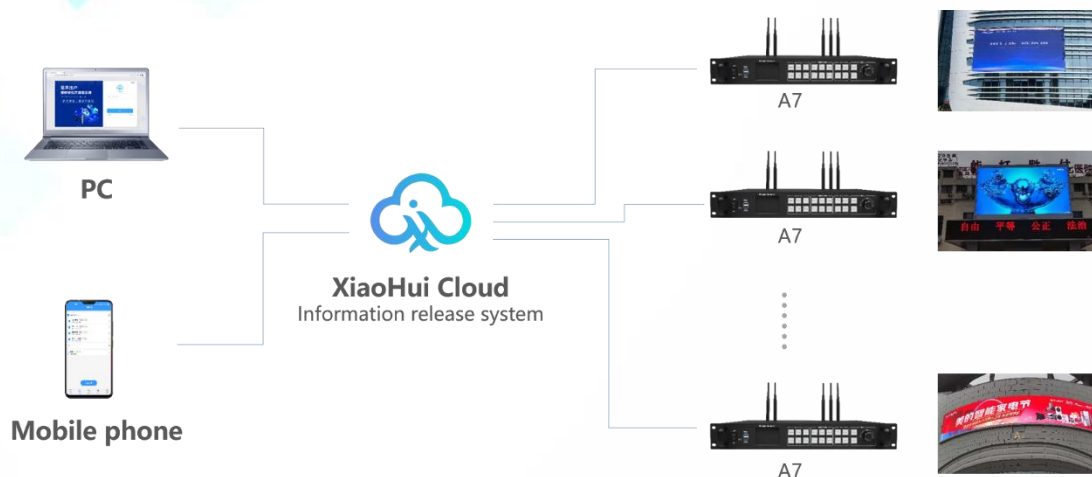
HD-A7 screen control is divided into 3 parts: HD-A7 playback box, receiving card, control software HDPlayer.
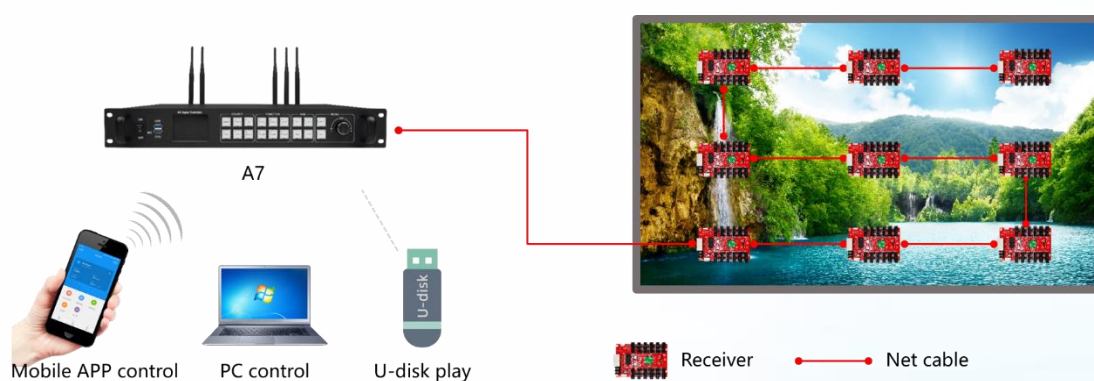
Configuration list

product Name	Model	Features
4K Controller	HD-A7	Program storage/play, display parameter set
Receiving Cards	HD-R Series	Connect the screen to display the program on the LED screen
Software	HDPlayer	Function settings, editing programs, sending programs, etc.
	Ledart APP	Mobile phone wireless update program, hardware parameter settings, etc.
	XiaoHui Cloud Software	Remotely publish programs, adjust brightness, etc.

2. Control Method

1. Internet remote cluster control: A7 controller can be connected to the Internet through 4G/5G (optional), network cable connection, and Wi-Fi Bridge (Station mode).
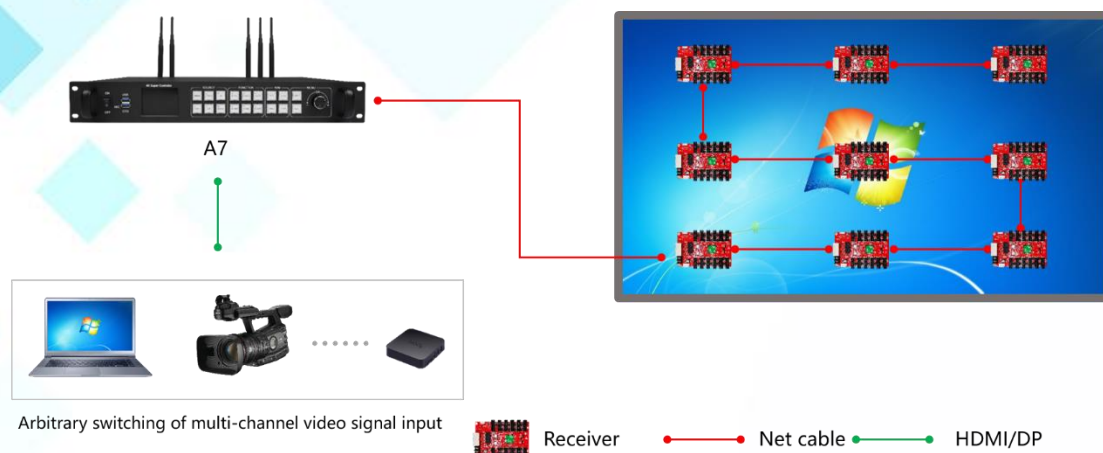

2. Asynchronous control: update the program through network cable connection, Wi-Fi connection and U disk. The local area network (cluster) control can be connected to the local area network network through network cable connection and Wi-Fi bridge.
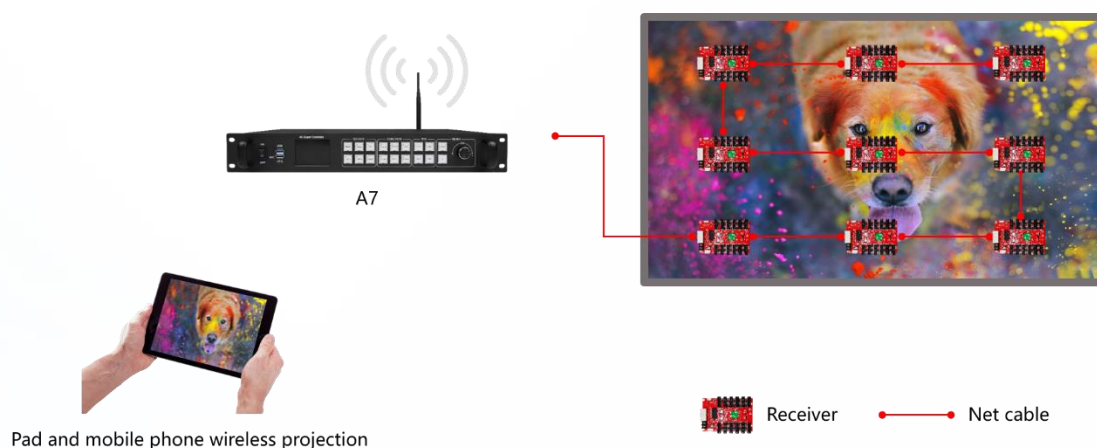

3. Real-time screen synchronization display: support HDMI/DP signal input synchronization playback, support 4 video screen playback and multi-channel

synchronization signal switch arbitrarily.

4. Screen projection display: The display content of the mobile phone/tablet is wirelessly projected to the display screen.
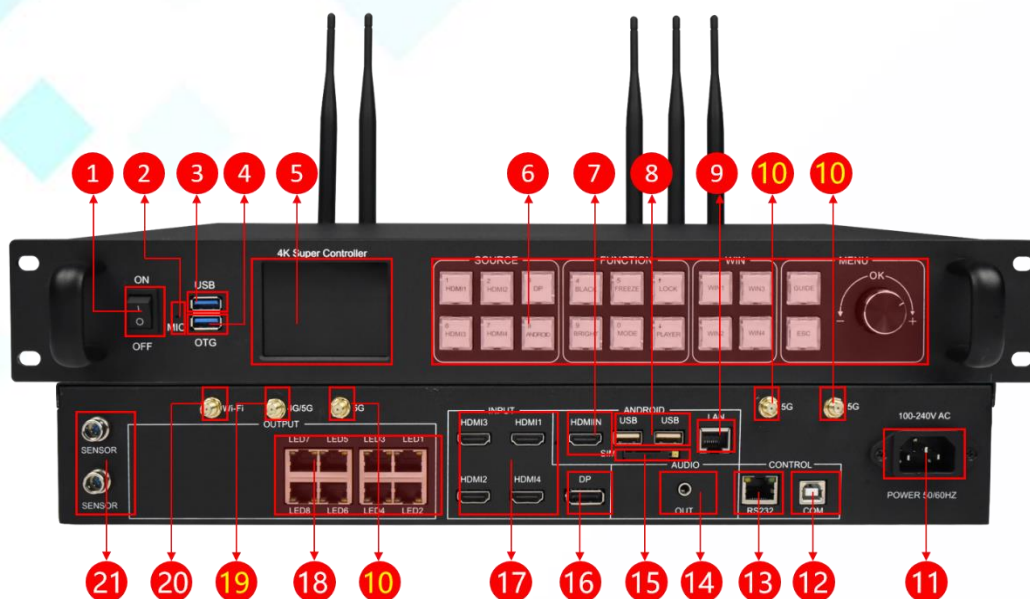

3. Product Features

➤ The maximum loading capacity is 5.2 million pixels, the widest is 15360 pixels,

➤ Equipped with dual-band Wi-Fi, support mobile APP wireless control,

➤ Supports wireless screen projection on mobile phones and tablets,

➤ Support intelligent voice control, Bluetooth wireless remote control,

➤ With 32GB storage, support U disk expansion and insertion,

- HDMI/DP high-definition video input synchronous playback,

- Support HD video hard decoding,

- No need for complex network settings, automatic device identification, plug and play,

- Support LAN or Internet cluster management, support optional 5G network module,

- Equipped with Standard 3.5mm standard audio output interface.

4. System Function List

Function	Parameter
loading capacity	5.2 million pixels, the maximum width 15360 Synchronous mode the widest 16000
Display Function	Support basic functions such as video, picture, Gif animation, text, office document, clock, timing, etc., support HTML and video streaming, Support 2 channels of 4K video playback at the same time, support 6 channels of 1080P video playback at the same time, support 8 channels of 720p video windows to play simultaneously, Support external remote control, temperature, humidity, brightness, noise, PM value, GPS and other extended functions.
Video format	Support HD video hard decoding, up to 60Hz frame rate output, Supports all common formats such as 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	It supports text editing, image insertion, and direct import of text such as word, txt, rtf, and html.
Documentation	Support DOC, DOCX, XLSX, XLS, PPT, PPTX and other Office2007 document formats.
Clock	Supports analog clock, digital clock and various dial clock functions.

Audio	HDMI audio input, two-channel stereo output.
Storage capacity	Equipped with 32GB storage, and support for U disk expansion.
Communication type	Ethernet port, U disk, Wi-Fi, 4G/5G (optional), HDMI/DP synchronization.
voice control	Screen on/off, program switching, playing program, brightness setting, volume adjustment, etc.
Wireless projection	Mobile, tablet.
Interface	IN：AC 100~240V，USB3.0*1，USB2.0*2，OTG*1，RJ45*1，RS232*1，HDMI*5，DP*1，Sensor*2、Audio*1， OUT：RJ45*8，Audio*1.
Working power	72W

5. Size Description

6. Appearance Description

1. Power switch: control the on and off of the AC power supply of the player box,

2. MIC interface: voice control microphone input,

3. USB 3.0 interface: directly programs playback or expand storage capacity,

4. OTG: debugging and firmware upgrade,

5. LCD screen: used to display parameters,

6. Function keys: set the parameters of the playback box, signal switching, etc.,

7. HDMI input: synchronous mode signal input interface, which can be mixed with asynchronous mode,

8. USB 2.0:   directly programs playback or expand storage capacity,

9. LAN: debugging interface, which can be connected to the Internet and local area network,

10. Antenna interface: the interface for connecting an external 5G antenna (not standard),

11. Power interface: connect 100~240V AC power supply,

12. Debugging interface: used to debug the parameters of the display screen and connect to the computer through USB-B,

13. Serial port: RS232 serial port communication and control,

14. Audio interface: TRS 3.5mm standard two-channel audio output interface,

15. SIM card slot: insert 4G/5G card for networking,

16. DP input: synchronous signal input interface,

17. HDMI input: synchronous signal input, can be connected to computers, set-top boxes and other equipment, timing synchronization playback,

18. RJ45 output: connect the receiving card,

19. Antenna interface: an interface for connecting an external 4G or 5G antenna (not standard),

20. Antenna interface: the interface for connecting the Wi-Fi antenna,

21. Sensor interface: The interface for connecting various sensors, such as environmental monitoring equipment, multi-function sensors, etc.

7. Basic Parameters

	Minimum	Typical value	Maximum value
Working voltage (V)	110 V（AC）	220 V（AC）	240 V（AC）
Storage temperature (℃)	-40	25	105
Working temperature (℃)	-10	25	40
Working humidity (%)	0	30	95
Product net weight (kg)			
Certification	CCC、CE、FCC、RoHS、BIS		