



# PRODUCT SPECIFICATION

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Multimedia Player  
**HD-A6L**

Version 1.4

## 1. Product Overview

A6L is an LED display multimedia player that supports playing videos, pictures, GIF animations, texts, WPS documents, tables, clocks, timing, and other programs. It can send to display on LED FULL COLOR DISPLAY.

Standard configuration of dual-band Wi-Fi, support mobile phone APP - "LedArt" wireless control; support optional mobile phone/tablet wireless screen casting display; support access to the "XiaoHui Cloud" platform, easy to achieve Internet remote cluster management; The capacity storage space makes asynchronous playback worry-free; it supports external connection of various environmental monitoring sensors to realize real-time viewing of environmental monitoring data.

A6L has high video playback performance, added terminal network security protection mechanism, simple software operation, and complete functions. It applied to LED displays in various commercial display, smart display and other fields.

## 2. Product Features

### Input:

1. Support 1 Gigabit communication network port for debugging parameters, faster program sending speed;
2. Support 1 HDMI IN input interface, support automatic zooming of synchronous pictures, and support synchronous and asynchronous picture-in-picture functions;
3. Support 1 channel HDMI LOOP IN input interface, support any resolution synchronous picture, support splicing and cascading;
4. Support 1 channel USB2.0 (custom OTG/USB mode), 1 channel USB3.0 communication interface, which can be used for inserting programs and expanding capacity;
5. Supports 2 channels sensor input interface, externally connected to various environmental monitoring sensors.

### Output:

1. Standard 4 Gigabit output network ports, directly cascaded HD-R series receiving card control display;
2. Support sending resolution 2.3 million pixels, the maximum horizontal (discounted) support is 4096 pixels, and the maximum vertical support is 4096 pixels;

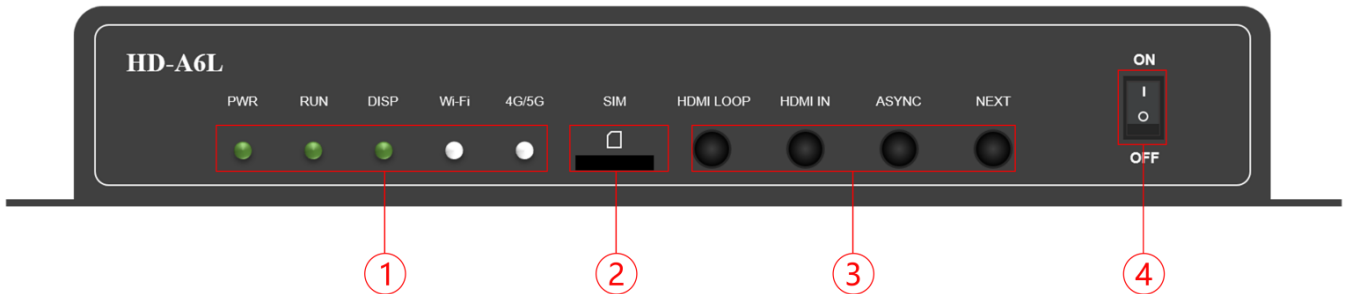
3. 1 channel TRS 3.5mm standard two-channel audio output;
4. 1 channel HDMI signal output, which can be used for data source or screen monitoring of HDMI input interface.

**Functions:**

1. Support work mode Synchronous and Asynchronous
2. Support HDMI splicing, used for LED advertising machine to realize multi-screen splicing playback;
3. Support multi-channel video window playback (support up to 2-channel 4K or 6-channel 1080P or 10-channel 720P or 20-channel 360P);
4. Support synchronous and asynchronous switching playback;
5. Support 4G/5G (optional) access to XiaoHui Cloud platform to realize Internet remote cluster management;
6. Support optional mobile phone, tablet and computer wireless screen casting.

### 3. Appearance Description

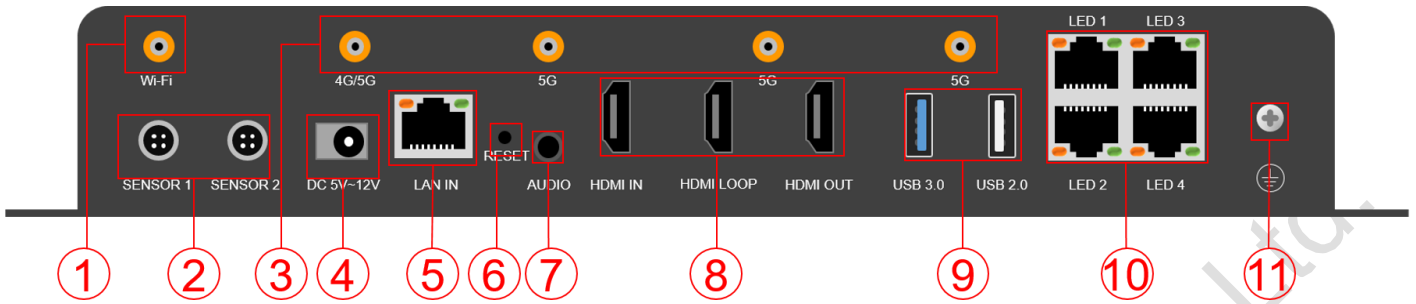
**Front panel:**



Serial number	Name	Description
1	Working light	<p><b>PWR</b>: Power indicator light, the green light is always on, and the power input is normal</p> <p><b>RUN</b>: System running light, the green light is flashing, the operating system is running normally; the green light is always on or off, the system</p>

		<p>is running abnormally</p> <p><b>DISP</b>: Display indicator, green light flashes, the FPGA system is running normally; the green light is always on or off and the system is running abnormally</p> <p><b>Wi-Fi</b>: Wireless indicator light, in AP mode, the green light is blinking; in STA mode, the green light is always on. The red light is blinking, the Wi-Fi is abnormal, and the light is off; the Wi-Fi bridge cannot connect to the server, and the yellow light is always on</p> <p><b>4G/5G</b>: Communication network indicator, green light is always on, the connection to the cloud server is successful; yellow light is always on, the cloud service cannot be connected; red light is always on, there is no signal or the SIM is in arrears or cannot dial; the red light is blinking, the SIM cannot be detected; No light, no module detected</p>
2	SIM card slot	<p>Micro SIM card slot, providing 4G/5G networking for remote control (optional 4G/5G module)</p>
3	Function button	<p><b>HDMI LOOP</b>: HDMI stitching mode</p> <p><b>HDMI IN</b>: HDMI signal input, synchronous playback</p> <p><b>ASYNC</b>: Asynchronous mode switching</p> <p><b>NEXT</b>: Switch program play</p>
4	Switch	<p>Control the power of the player box, ON means power on and OFF means power off</p>

Rear panel:

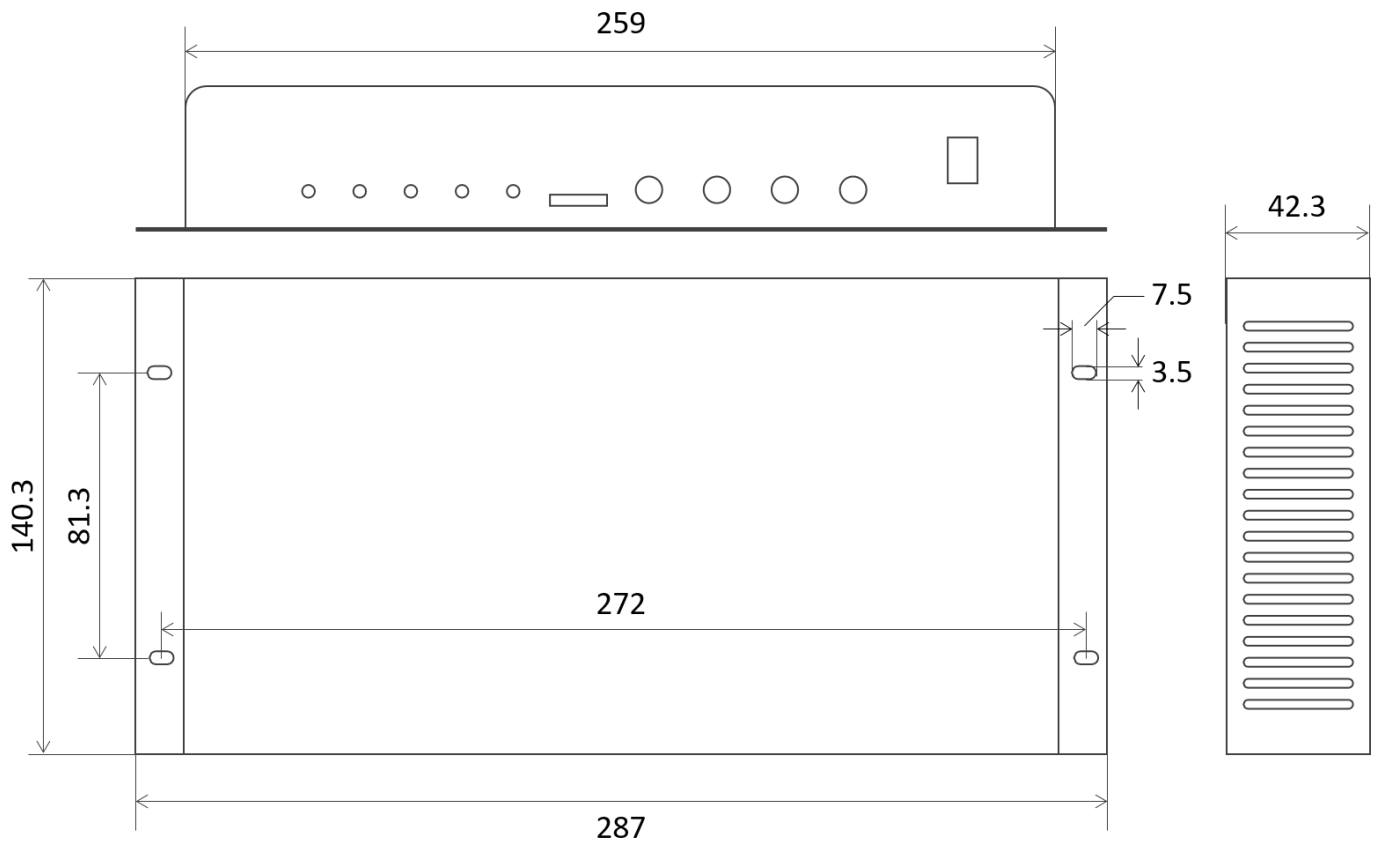


Serial number	Name	Description
1	Wi-Fi antenna	Connect Wi-Fi antenna to enhance wireless signal
2	Sensor	External temperature, humidity, brightness, wind speed, wind direction, noise, PM2.5, PM10, CO <sub>2</sub> and other sensors
3	4G/5G antenna	Connect 4G/5G antenna (4G with 1 antenna, 5G with 4 antennas, optional)
4	Power supply	5V 3A ,12V 1.5A
5	Input network port	Gigabit input network port, connect to computer to debug and release programs, can be used to access LAN or Internet
6	Reset	Reset pinhole
7	Audio output	Stereo audio connect x 1
8	HDMI	<b>HDMI IN:</b> HDMI1.4 synchronous signal input interface, support adaptive scaling <b>HDMI LOOP:</b> HDMI1.4 synchronous signal input or splicing input interface <b>HDMI OUT:</b> HDMI1.4 output interface
9	USB	<b>USB:</b> USB3.0 for updating programs, inserting programs or expanding capacity

		<b>OTG</b> : Used for debugging or upgrading firmware (default U disk function, factory configurable)
10	<b>Output network port</b>	<b>Gigabit Ethernet 4 port</b>
11	Ground wire	Ground wire connection port

## 4. Dimensions

Dimensions (mm):



Tolerance:  $\pm 0.3$  Unit: mm

## 5. Parameters

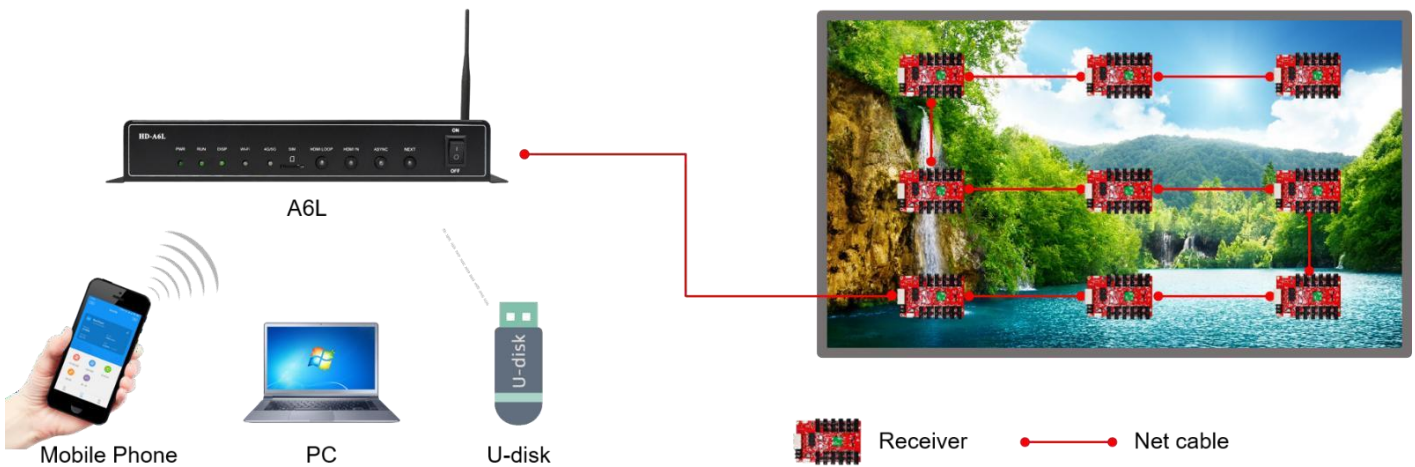
### 1. Product Specifications:

<b>Electrical parameters</b>	<b>CPU</b>	Quad-Core ARM A55 Processor speed 1.8 GHz
	Maximum power consumption	18W
<b>Storage Space</b>	<b>Ram</b>	<b>2GB</b>
	<b>Internal storage</b>	<b>16GB</b>
<b>Storage environment</b>	Temperature	-40°C ~ 80°C
	Humidity	0%RH ~ 80%RH (No condensation)
<b>Working environment</b>	Temperature	-40°C ~ 70°C
	Humidity	0%RH ~ 80%RH (No condensation)
<b>Packaging information</b>	list: 1xA6L 1 x HDMI cable 1 x power adapter 1xWiFi Glue Stick Antenna 1x Certificate of qualification Note: 4G/5G antennas are optional with 4G/5G modules 1/4	
<b>Size</b>	287mm×140.3mm×42.3mm	
<b>Net weight</b>	1004g	
<b>Protection degree</b>	IP20 Please pay attention to water resistance, e.g. prevent water dripping into the product, do not get wet or rinse the product	

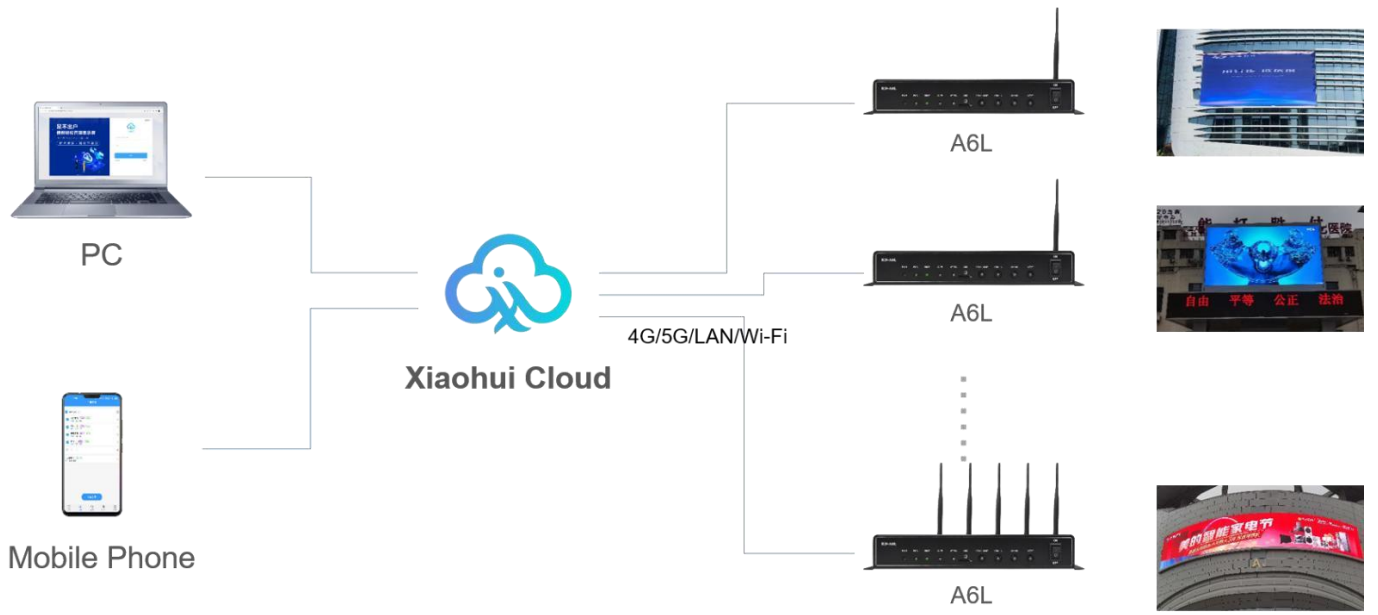
<b>System software</b>	Android11.0 operating system software
	Android terminal application software
	FPGA software

## 6. Application Scenarios

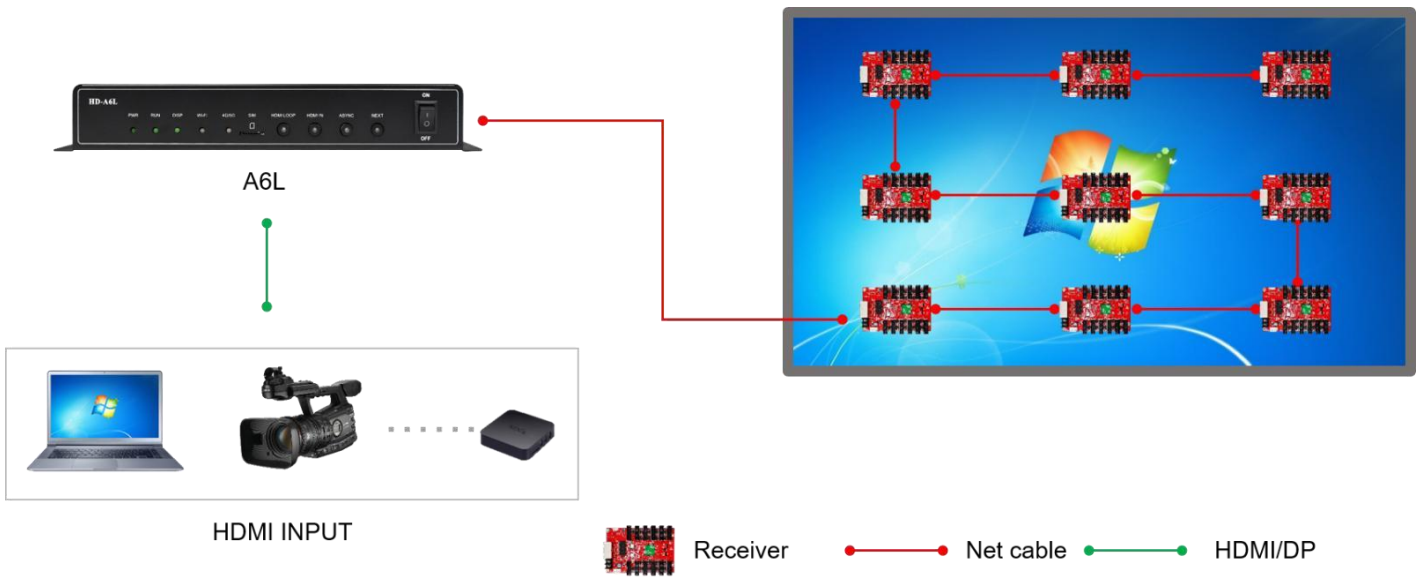
1. Single-node control, support Wi-Fi, network port direct connection, USB interface for communication.



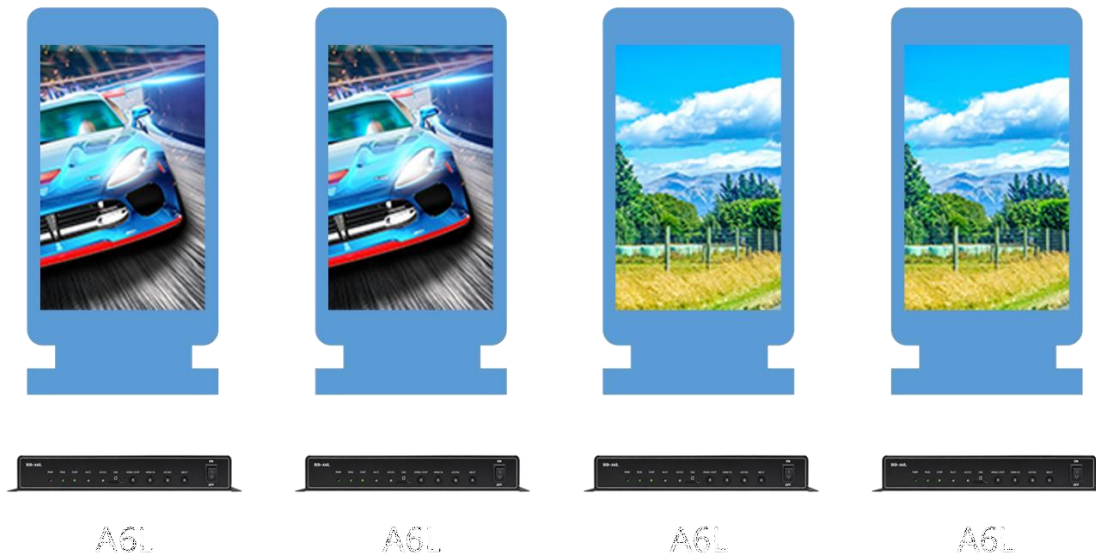
2. Cluster control, support Internet remote control.



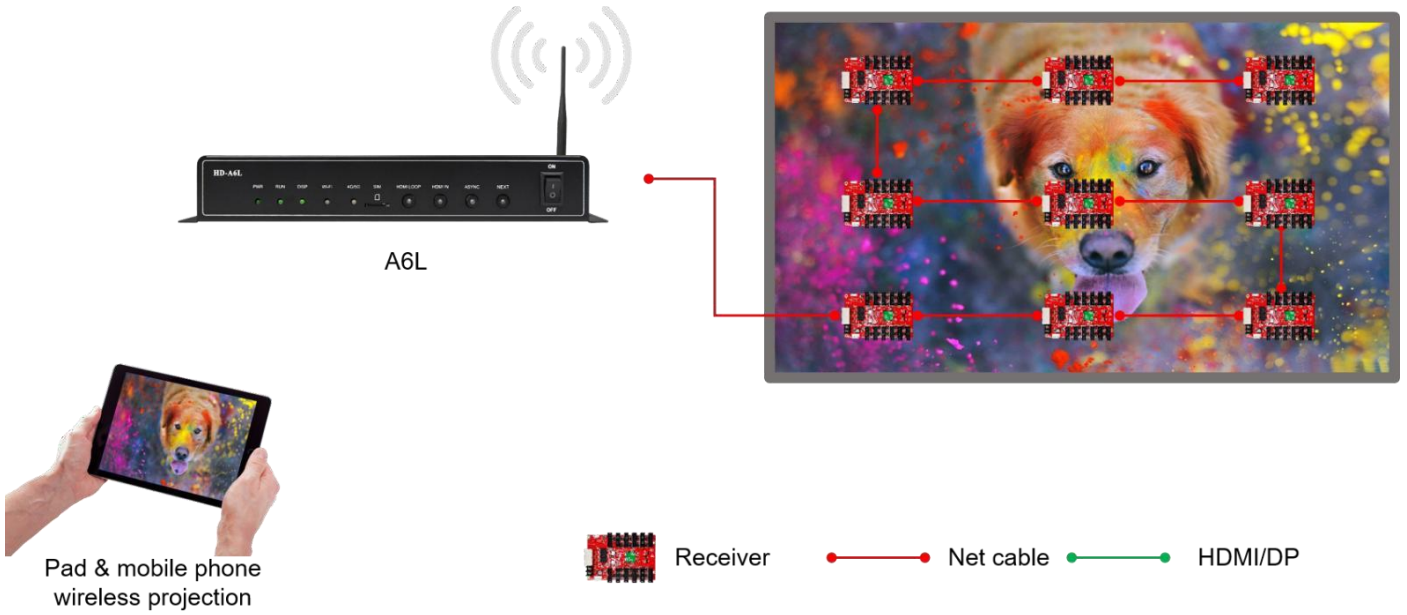
3. Synchronous control, through HDMI signal input, synchronous playback.



4. Multi-screen splicing application: use HDMI high-definition signal lines to splice in series, and automatically splice the contents of multiple display screens into an overall picture.



5. Mobile phone/tablet wireless screen casting display (Optional).



## 7. Product Appearance

