



# **BX-Y5E SPECIFICATION**

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## **Instruction**

Thank you for purchasing our LED multimedia player. I hope you can enjoy the excellent performance of this product. The design of the LED multimedia player complies with international and industry standards, but if improperly operated, it may still cause personal injury and property damage. In order to avoid the danger that the equipment may bring and benefit from your equipment as much as possible, please follow the relevant instructions in this manual when installing and operating the product.

## **About software**

The software installed on this product may not be changed, decompiled, disassembled, decrypted or reverse engineered. The above acts are illegal.

**Photo**



## **Features**

- ◆ Large load area , 4 Gigabit Ethernet ports output.
- ◆ Support mixed playback of external video source and local signal.
- ◆ Support 3 nos of 1920x1080 local video partitions and 1 external video source partition.
- ◆ Supports high refresh, and the mobile phone and camera take excellent pictures.
- ◆ High-performance CPU, hardware decoding, smooth HD video playback, and realistic 3D graphic display stunts, bringing users a more perfect viewing experience
- ◆ Onboard emmc large capacity (8G) flash memory.
- ◆ Different network communication methods, onboard Gigabit network communication interface, onboard integrated 4G wireless module and WIFI module, and also supports external WIFI module with USB interface. The built-in WIFI can be used as both a hotspot (AP) and a terminal. Support external 4G router.
- ◆ Capacity expansion is convenient, onboard SD card holder and dual USB interface, support U disk plug and play, can also be imported into memory to play, very suitable for publishing programs in places where the network is inconvenient.
- ◆ Video input interface: 1 HDMI input.
- ◆ Audio and video output interface: 1 HDMI output, 1 AUDIO output, can be connected to the LCD screen, as an advertising machine in crowded places such as train stations, bus stations, hospitals, etc.
- ◆ Support U disk plug and play, can also be imported into memory to play, very suitable for publishing programs in places where the network is inconvenient.
- ◆ Support group control, can broadcast programs, especially suitable for large-scale deployment and management of outdoor advertising screens in cities.
- ◆ Support remote control, rich in functions, you can order programs, adjust brightness, volume, screen test, etc.
- ◆ The screen brightness adjustment method is diverse, you can manually adjust the brightness, automatic adjustment, 256-level adjustment.
- ◆ Support 512 programs, each program supports 32 areas, you can edit a very gorgeous picture effect.
- ◆ Supports various types of regions, including graphics, subtitles, video, lunar calendar, dial, timing, temperature, humidity, announcements, weather forecast.
- ◆ Support various sensors such as brightness sensor, temperature sensor, temperature and humidity sensor, noise sensor, air quality and so on.
- ◆ Support database, very suitable for information release in high-speed rail, hospitals, banks and other occasions

- ◆ Rich management software and strategies, small users can choose the PC software we provide for control and management, or they can access the cloud platform and manage through a web browser to achieve remote upgrades without going to the site.

## **Functions**

### **Loading area**

The Y5E controller has four Gigabit output network ports, with total pixels  $\leq 2.56$  million points: the network port has a loading area of  $2560 \times 1000$ , a maximum width of 30720 points, and a maximum height of 3840 points. The output content of the four network ports is consistent, and four screens can be connected, and the content is displayed synchronously. The control area is flexible, the display function is rich, and the cost performance is super high.

### **Support high refreshment**

Y series products support high refresh (refresh here refers to the scanning refresh of the receiving card for the LED screen). When the user uses the camera or mobile phone to shoot the large LED screen, the picture will not be distorted, there is no scan line, real and natural, and the effect is excellent. The product supports arbitrary adjustment of the screen movement speed, the screen movement is smoother, and the display effect is smoother when the text is moved to the left.

### **HD video playback**

The software supports three 1080P internal video partitions, the controller uses a high-performance CPU, hardware decoding, and can process high-definition video. The controller provides 1 HDMI input, and the external video can be played as a video area to achieve the picture-in-picture effect. The external video source can also be played in full screen to achieve synchronization effect. The controller provides 1 HDM output and 1 AUDIO output. Users can connect devices such as LCD screens to operate as advertising machines in indoor crowded places, such as long-distance bus stations, train stations, high-speed rail stations, banks, hospitals and other public places.

## **Multiple communication mode**

The communication mode of the controller is very rich. It is equipped with a 100M network interface and supports onboard WIFI. You can choose 4G module (onboard), or you can choose an external 4G router with USB interface, set to server mode or WEB mode, the controller can log in to the management platform. For general intranet topologies, users can use network cables to directly access routers or switches to manage PC communications. For short-range wireless applications, users can turn on the built-in WIFI of the controller and access their own routers to achieve online control and management. Users can also turn on the WIFI hotspot of the controller, connect their PC to the controller, and realize management control. For the hotspots of the controller, users can set passwords and perform rights management.

## **Asynchronous&synchronous integrate**

The controller provides two operating modes, synchronous mode and asynchronous mode. In asynchronous mode, users can arrange and publish programs by themselves, and support external video signals as a partition of asynchronous programs, mixed with local videos. In synchronous mode, the controller can receive external input video source devices and play the output content and sound of TV, set-top box, DVD and other devices simultaneously.

## **WiFi Connection**

The Y5E controller will truly realize the product wifi wireless connection, users can save costs, save the expenditure of purchasing network cables, effectively save energy consumption, and also save the cumbersome wiring works, the cost performance is greatly improved. The product supports Gigabit network, the data transmission speed is fast, stable and reliable, and the controller is extremely easy to install and use. The product has a very wide range of applications, generally within a close range of 100 meters, and the computer can be directly connected via wireless wifi. And because the built-in WIFI is currently standard for laptop computers, wireless routers are generally only priced at tens of yuan, so users using Y5E controllers are economical, easy to operate, and cost-effective.

## **Management platform**

The controller provides a rich control and management software platform, including PC software LedshowYQ and cloud platform iLEDCloud. The PC software LedshowYQ runs on the user's screen manager's PC and supports mainstream operating systems such as Windows XP, win7, and win10. The software provides comprehensive and rich controller configuration, program scheduling, and program sending functions.

The cloud platform iLEDCloud is a multimedia information publishing platform provided by ONBON technology. Its core server is hosted on Alibaba Cloud, providing excellent reliability and stability.

Users only need a browser to use the platform, which can edit programs remotely, preview the program, and play it regularly and at a fixed time. Users can log in and use the cloud platform through mobile phones, pads and pcs. If the user is a LAN application environment, you can choose the PC software LedshowYQ provided by us to control and manage. If the user's environment needs to cross the public network, you can access the iLEDCloud cloud platform and manage it through a web browser.

## **Lager storage capacity**

The controller has built-in 8G flash memory, which can store high-definition video. Support U disk expansion to 256GB, U disk plug and play, can also be imported to play.

## **Graphic playback 3D special effects**

The supported area types are rich, including graphics, subtitles, video, lunar calendar, dial, timing, temperature, humidity, announcements, weather forecast.

The pictures or text added in the graphic area support a wealth of special effects, including common effects such as curtain, pan, laser, mosaic, and blinds. Users can set pictures or text to realistic 3D display effects through simple operations, such as raindrops, broken screens, cabinet rotation, louver rotation and other colorful viewing effects, giving users a brand new playback experience.

## **Support database**

Support database area function, can connect to mySQL, sqlserver and other format databases, and can display on multiple pages. This function is very suitable for high-speed rail, hospitals, banks and other occasions that need to release updated information in real time.

## **Flexible program release method**

Users can use the PC software LedshowYQ to arrange, preview and release programs. If networking is not convenient, you can also use U disk to import programs or plug and play.



## **Update remotely**

The controller supports remote upgrade. Users can perform remote upgrade through PC software LedshowYQ and cloud platform iLEDCloud to improve the function and performance of the controller and solve bugs. The controller has a built-in log function, which can record various important events, and can be consulted and analyzed remotely to solve the fault

## **Support multiple sensor**

The product can be connected to temperature, humidity, brightness sensors and environmental monitoring sensors to accurately measure and display temperature, humidity, brightness, noise, PM2.5, PM10, wind direction, wind speed values. To provide customers with accurate and accurate data references in locations that require strict control of temperature, humidity or noise, to avoid unnecessary losses caused by improper control of temperature, humidity or noise. Combined with the newly added environmental monitoring sensor interface, through the use of environmental detection sensor devices, various environmental data can be visually presented, which has been more widely used in the wave of smart city construction.

## **Support IR**

the controller supports infrared remote control, which can realize program on demand and lock. Can easily adjust the screen brightness, volume, screen switch, test, etc., experience comparable to TV remote control, especially suitable for the convenient management of indoor display screen.

## **Timing power on/off**

The software has the function of timing switch on and off. After setting the startup and shutdown time, the computer will automatically start and shutdown on time, so as to make reasonable use of manpower and material resources, and greatly improve the service life and reliability of the display screen. When the user is often inconvenient to operate on the edge of the computer, the timer switch can better achieve the unattended function.

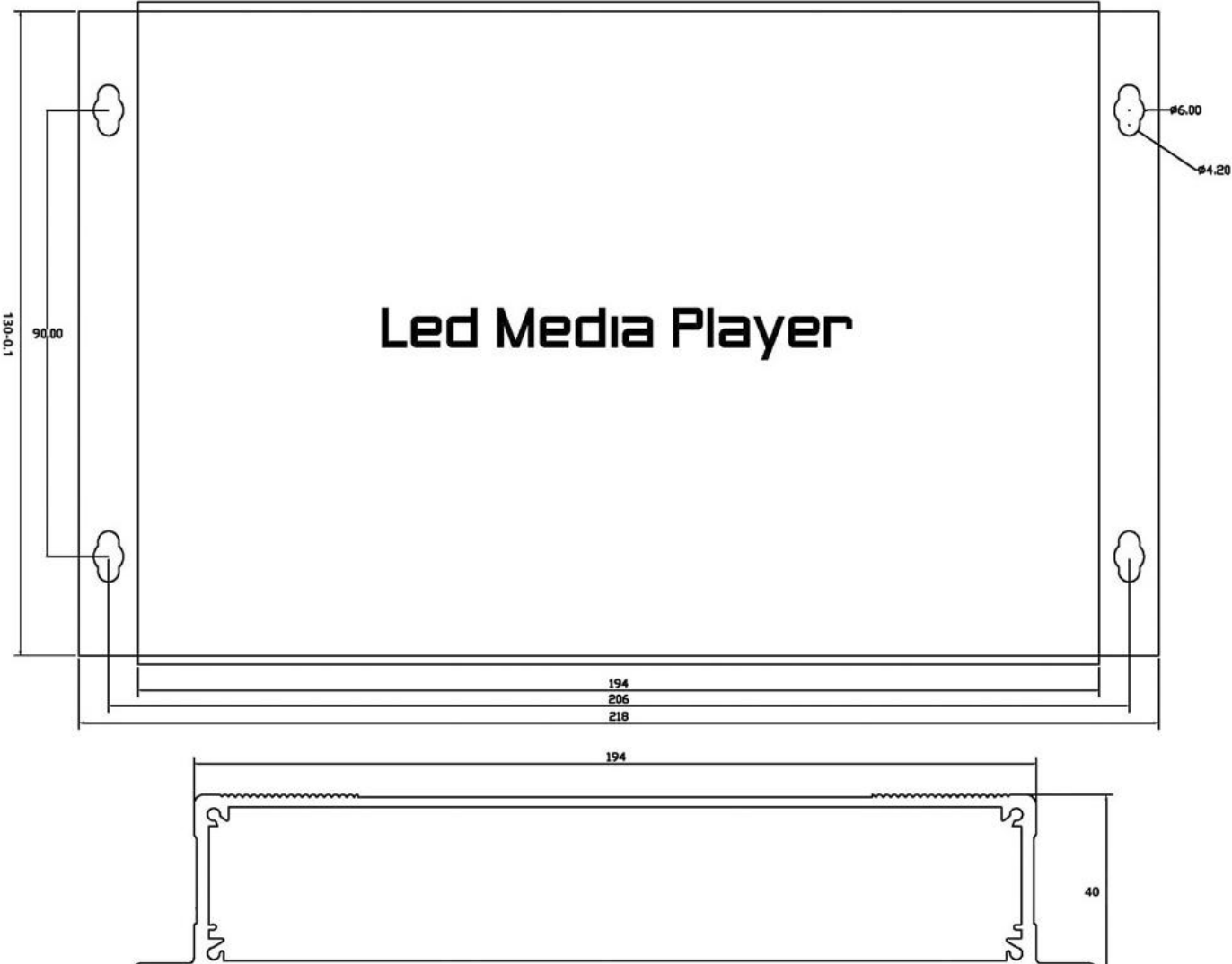
## Technical parameters

Parameters	Specification
Min control size	64 × 32
Max control size	2560×1000
Max height	30720
Max height	3840

Input power supply	5V (3.3V ~ 6V wide voltage)
Power	≤10W
Working temp	-35°C ~ 75°C

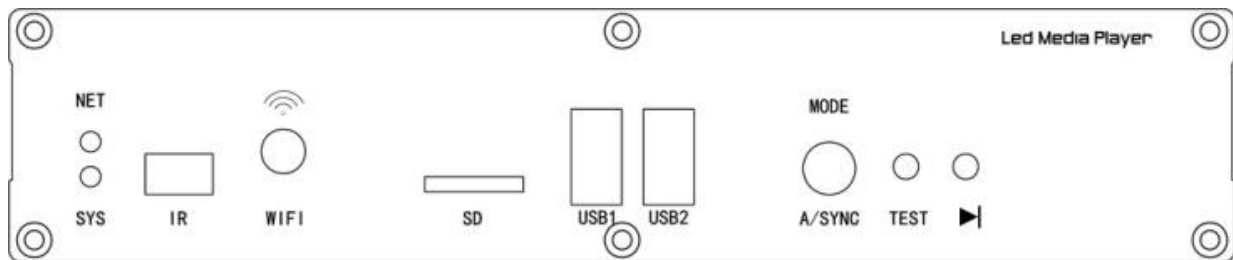
# Dimension

单位: mm



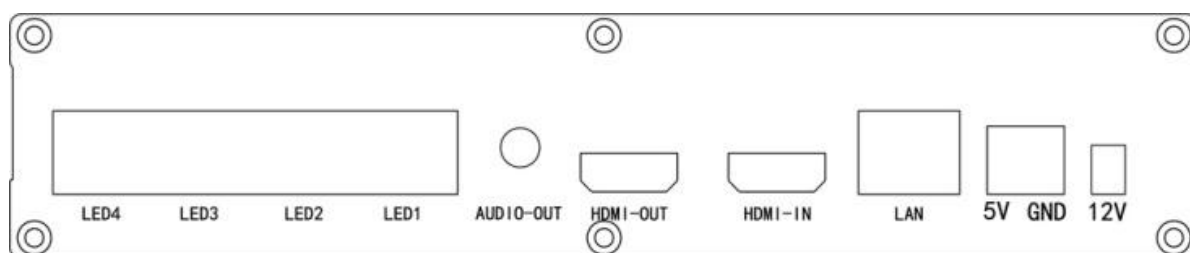
## Interface

### Front panel



Key instructions	
NET	Network and fault indicator
SYS	Work indicator, flashes when the controller is working normally, about twice per second
IR	XH254-3P IR receiver port
WIFI	Connect 2.4GHz WIFI antenna
SD	SD card slot, storage space expansion slot
USB1	USB1 interface, can be connected to U disk, external WIFI module, 4G router, mobile hard disk, etc.
USB2	USB2 interface, can connect U disk, external WIFI module, 4G router, mobile hard disk, etc.
MODE A/SYNC	Video input mode switch button, used to quickly switch asynchronous programs, CVBS input and HDMI input
TEST	Test button
▶	Play button

## Back panel image



Key instructions	
<b>LED1~ LED4</b>	Scan data output network port, connect to full-color receiving card, 1 channel 3.5 mm stereo
<b>AUDIO -OUT</b>	1 channel 3.5 mm stereo
<b>HDMI -OUT</b>	1 digital IHDMI output
<b>HDMI -IN</b>	1 digital HD HDMI input
<b>LAN</b>	Ethernet interface, 100M Ethernet, connect to computer
<b>5V GND</b>	5V power terminal, DC voltage input, rated 5V, support 4V ~ 6V
<b>12V</b>	12V power interface, rated current 2.5A

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Public Wechat



ONBON APP