


BX-Y2

SPEICIFICATION

 Before you use the LED controller, please read this file first and save it for future.

BX-Y2

STATEMENT

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Product photo



Features

- ◆ High performance CPU, hardware decoding, HD video playback smoothly .
- ◆ On-board 100M Ethernet port, audio port, Support USB port Wi-Fi module and will support 4G router soon .
- ◆ Easy to extend ,SD and double USB on board
- ◆ Support cluster control, especially suitable for large-scale urban outdoor advertising screen large-scale deployment, management
- ◆ Abundant 3D stunt and Flash subtitle
- ◆ Support U disk display directly, also support importing display.
- ◆ Support Groups cluster management
- ◆ Support firmware update online.
- ◆ Support remote control, rich functions, on-demand programs, adjust brightness, volume, screen testing, etc.
- ◆ Support APP which is convenient for users to remotely and conveniently control program release and management.
- ◆ The relay circuit switch interface will be supported later to realize the switch of remote control screen through the relay switch.
- ◆ There are various ways to adjust the brightness of the screen, which can be manually adjusted or automatically adjusted by external brightness sensor (it will be supported in the near future).
- ◆ Y series movement has been greatly upgraded on the basis of YQ series products. Both the left shift of subtitles and the transformation of pictures and texts can be more smooth.
- ◆ Support a variety of areas, including graphics, subtitles, video, lunar calendar, dial, timing, temperature, humidity, bulletin, weather forecast.
- ◆ Support database, Very suitable for high-speed rail, hospitals, banks and other occasions of information release.
- ◆ support temperature sensor/ temperature&humidity sensor /noise sensor /air quality sensor /wind speed &wind direction sensor /brightness sensor
- ◆ Adopter the second YQ protocol, and it is more convenient for custom and SDK projects.

FUNCTION INTRODUCE

Control area

BX-Y2 support 1024× 600 ,Total 2048K pixels, the maximum height is 2048 pixels .

Support high refresh

BX-Y series of controller support high refresh(here refers to the receiving card for LED screen refresh,users scan)or mobile phone camera shooting picture from time to time, no distortion, no scanning line,the true nature and excellent results.

Multiple communication mode

The controller is on board a 100M network interface, internal integrated 4G wireless module, WIFI module, also supports USB interface, external WIFI module. Built-in WIFI both as a hot spot (AP), but also as a terminal. Supports external 4G routers.

For the general network topology, users can use the network cable directly access the router or switch,and management PC communication.

For short-range wireless applications, the user can open the controller built-in WIFI, access to their own routers, to achieve online control management. Users can also open the controller's WIFI hot spots,access to their own PC controller, to achieve management control. For the controller hot spots, the user can set the password, the rights management.

Management platform

Controller provides rich software platforms for control and management, including PC software LedshowYQ and cloud platform iLEDCloud (to be supported soon).PC software LedshowYQ runs on the PC of users' screen managers, supporting mainstream operating systems such as Windows XP, win7 and win10.The software provides a comprehensive, rich controller configuration, program programming, program delivery functions.

Cloud platform iLEDCloud is a multimedia information publishing platform provided by onbon technology. Its core server is located in alibaba cloud, providing excellent reliability and stability. Users only need a browser to use the platform, and can edit programs remotely, preview programs, and play at fixed times. Users can log in and use the cloud platform from their mobile phone, pad and PC.

If it is a LAN application environment, users can choose LedshowYQ, a PC software provided by us, for control and management. If users need to cross the public network, they can access the iLEDCloud cloud platform and manage it through the web browser.

Lager storage capacity

High-capacity built-in flash memory, also supports external capacity expansion. It was built-in 4G flash memory, users can store 8 hours of high-definition video. It provides SD card slot, allowing users to insert large capacity SD card, to expand capacity

Abundant 3D stunt

Support graphic text, subtitles, video, lunar calendar, dial, timing, temperature, humidity, announcements, weather forecasts areas. Text areas can be pictures or text, supporting a wealth of special effects, including curtain, pan, laser, mosaic, shutter and other common effects. Controller built-in GPU (graphics processing unit), support Abundant 3D stunt and FLASH subtitle.

Support database

The controller will support database area, supports multi-page display, supports MYSQL, SQL server and other format database in the near future.

Support Android app

BX-Y Series support Android APP LedshowYQ to add, edit and send program, very easy to operate. The APP support search screen, support multi language, support dynamic preview, video trans-coding function. Support gesture zoom in and out of partition function.

Flexible program release methods

Users can use PC software LedshowYQ to add ,edit , preview, release. If network is not

convenient,users can also use U-disk to import programs or plug-in and display .USB transmit distance is $\leq 3M$,It can be reach 10 M with a extension line.

Online update firmware

BX-Y series support remote upgrade firmware, users can use PC software LedshowYQ, iLEDCloud platform to upgrade the latest firmware,to enhance controller functionality, performance, solve bugs.The controller has built-in logging function, it can record various important events, and support remote consult, analyze and solve the fault.

Support many sensor

Match with VMF multi-function card.BX-Y series can support many kinds of sensors . will support temperature sensor/ temperature&humidity sensor /noise sensor /air quality sensor /wind speed &wind direction sensor /brightness sensor in the near future.

Support remote control

BX-Y series supports remote control , very easy to switch programs by the remote .and also the screen brightness,volume,turn on and off screen ,testing etc.user experience comparable to TV remote control,especially suitable for indoor led screen management.

Timer switch screen

The LedshowYQ software support timing switch screen. After setting the turn on and turn off time, the computer will turn on the machine on time and automatically. It can make use of manpower and material resources reasonably, and greatly improve the service life and reliability of the display screen. When the user is inconvenient to operate on the side of the computer, this function can better realize no one. The function of duty.

Relay function

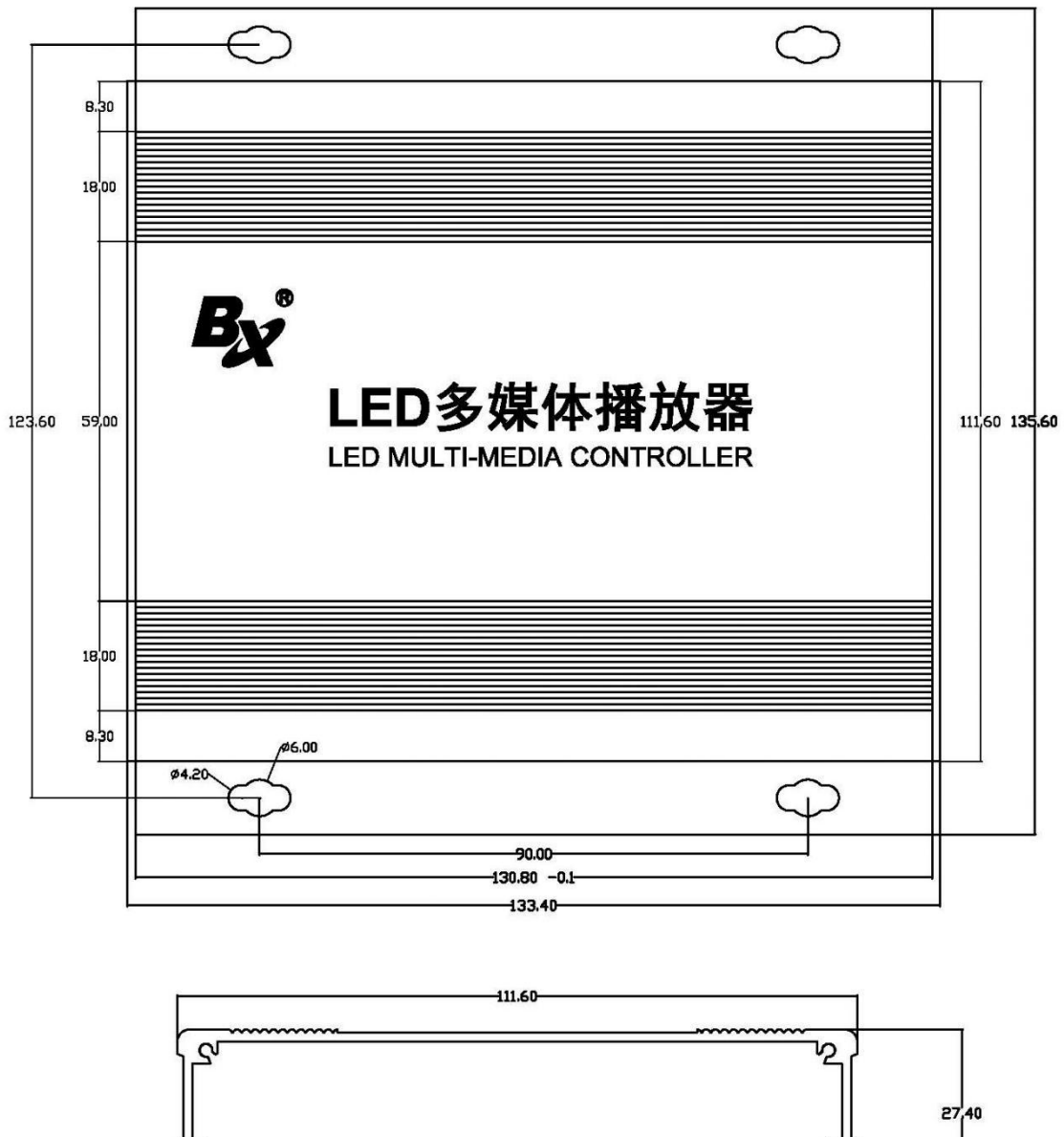
In the near future ,BX-Y series will add relay function ,Match with VMF multi-function card,the controller supports remote start, shutdown control , effectively reduce the screen power consumption,saving energy.

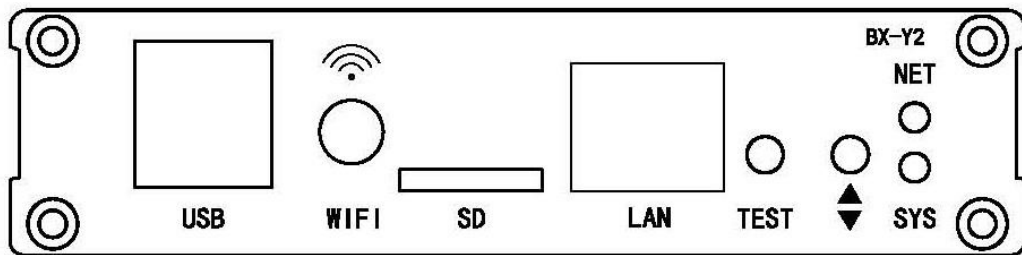
TECHNICAL PARAMETERS

SCREEN PARAMETERS	
PARAMETERS	SIZE
Min control size	64 × 64
Max control size	1024×600
Max width	$W \leq 8192$
Max height	$H \leq 2048$
Support	BX-V/V75/V75L receiving card

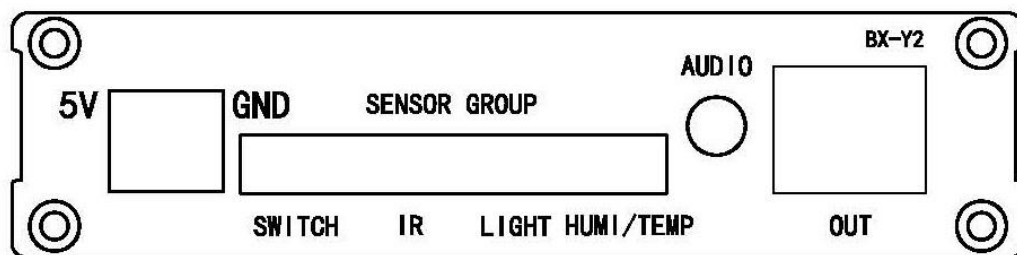
Complete specification	
Input voltage	4V ~ 6V; make sure to use good quality power supply
Power	$\leq 10W$
Working temp	-40°C ~ 80°C

Dimension





Instruction	
USB	USB port ,support independent WIFI module 4G routers
WIFI	Connect with 2.4GHz WIFI antenna
SD	SD card,extend slot
LAN	100M Ethernet port connect to PC
TEST	TEST BUTTON
▼	Move down,Interactive menu focus down
▲	Move up,Interactive menu focus down
NET	network indication
SYS	working indicate light



Button instruction	
5V	5V power terminal, dc voltage input, rated 5V, support 4V ~ 6V
SWITCH	Relay switch port
IR	XH254-3P infrared receive port
LIGHT	Brightness sensor port
HUMI/TEMP	Humidity /temp sensor port
AUDIO	Audio output port
OUT	Scan data output network port, connect the full color receiving card

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Public Wechat



ONBON APP