



Exquisite . Classical . Forever

Multiple scenes • Fully function

BX-Y player series

- ▶ Fully function player BX-Y08A /Y1A /Y3A
- ▶ Single card BX-Y04 /Y08
- ▶ Single video area player BX-Y1L /Y1
- ▶ Single video area player BX-Y2L /Y2 /Y3
- ▶ Multiple video areas dual mode player BX-Y3E /Y5E / OVP-Y5E

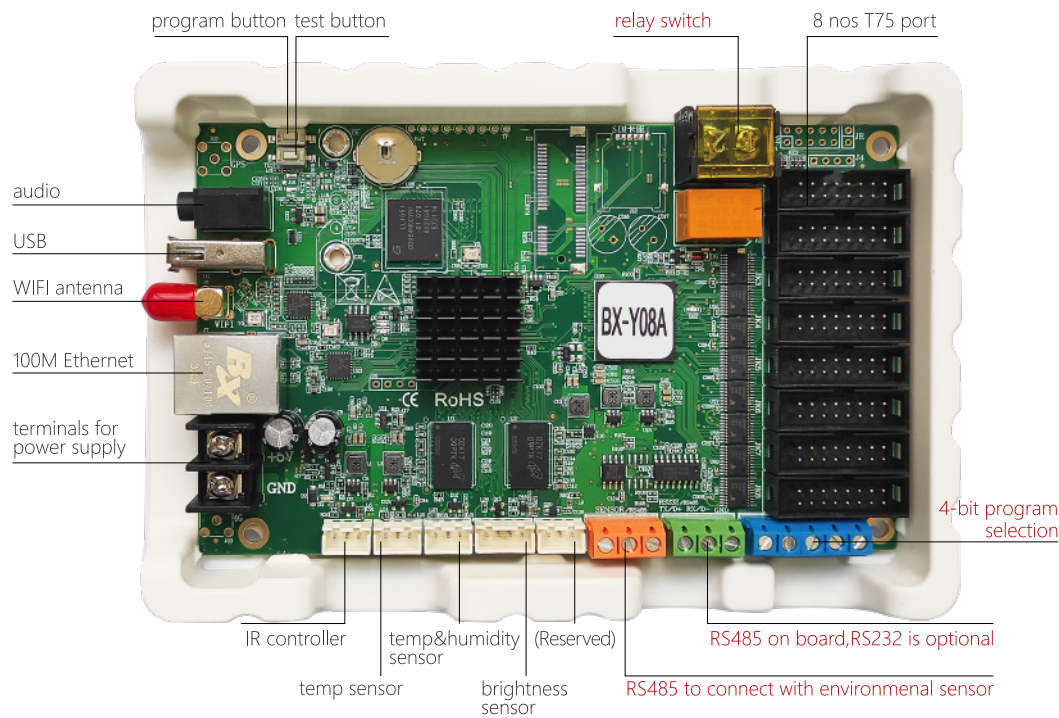
BX-Y Apply to LED cluster screen and industrial customization projects

onbon 仰邦科技

BX-Y08A /Y08A(4G)



Apply to smart LED street lamp screens/traffic screens/vehicle screen
Compatible with mainstream security industry protocol and traffic signal equipment
protocol,no necessary for secondary development



Multiple scenes • Fully function

Parameter and Function			Installation size: 135 x 82.4mm
Model	Control size	Display interface	Program/area
BX-Y08A	Total pixels≤128K pixels: 512*256, W≤1024	8 nos 75 port	No limit/32, custom expend if any special requirement
Function interface	Conventional sensor interfaces and RS485 environmental sensor interface, relay switch, 4-bit program selection interface onboard		
Communication interface	100M+RS485/RS232+RS485 environmental sensor port+USB+WiFi onboard		
Special function	Support Chinese and English voice broadcast IR/brightness/temp/humidity sensor onboard, support environmental monitoring sensors and other RS485 interface sensors;support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
Voice broadcast	Support Chinese and English voice broadcast
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard; support phone APP, 4G/GPS optional
Program display	Support program sequence play, program timing play; support emergency notification; onboard 4-bit program selection interface, support external signal to switch 16 programs
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Timing on/off	Onboard relay switch, support software command switch and timing automatic switch screen
Brightness adjustment	16 grade brightness adjust; support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection, voice volume adjustment, brightness adjustment, screen switch, screen test
Sensor	IR/Brightness sensor temp/humidity sensor /485 port onboard; support environmental monitoring sensors and other RS485 interface sensors
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. support digital signature authentication technology to ensure the correct and safe transmission of materials
Database connection	Support MySQL, SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, Including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C/C++/C#/Delphi, support secondary development in different platform.
iLEDCloud Application and info security	Professional cloud platform publish software; Support WeChat applet to edit and publish to ensure info security; User real-name authentication, multi-level role authority management, editing/review/ adaptive program release; Remote LED display management /status monitoring function, program release report generation, screen info security assurance function of monitoring and emergency review mechanism.

Firmware update and maintenance

Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters

Working voltage	5V (3.5V ~ 5.5V wide working voltage) ;
Power	≤10W (4G optional, ≤15W)

Ambience adaptability

Ambient temperature	Environmental temperature -40°C ~ 80°C;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility

Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

Quality assurance | 7*24 hours power supply, failure rate ≤0.3%

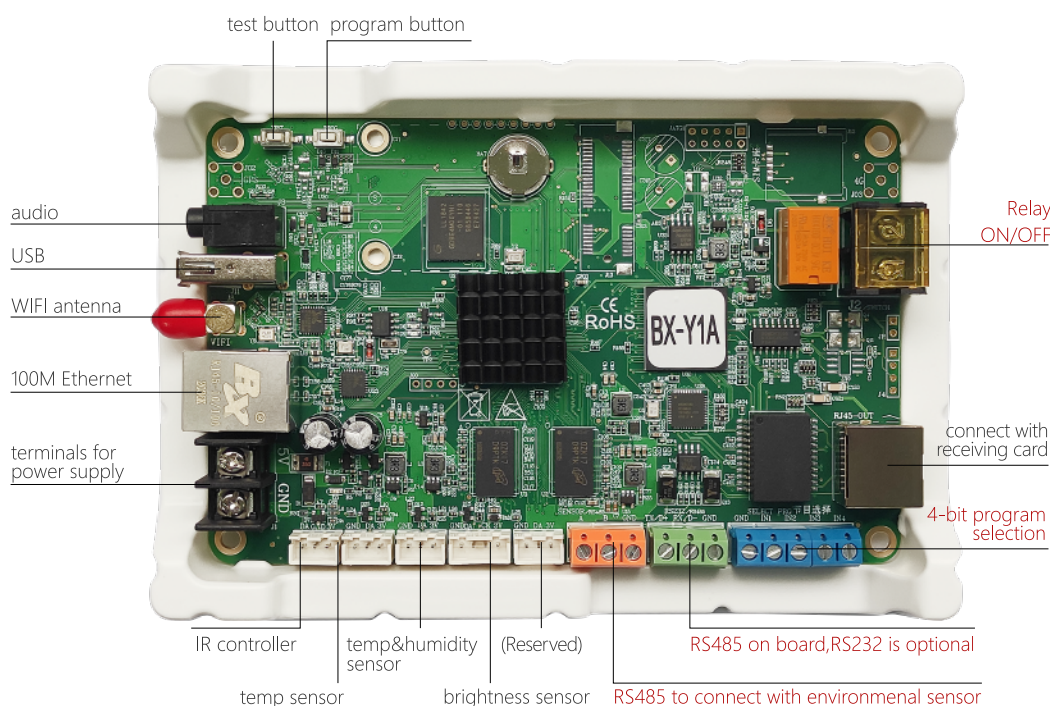
Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



BX-Y1A /Y1A(4G)



Apply to smart LED street lamp screens/traffic screens, super length 8192 pixels
Compatible with mainstream security industry protocol and traffic signal equipment
protocol, no necessary for secondary development



Multiple scenes • Fully function

Parameter and Function

Installation size: 135 x 82.4mm

Model	Control size	Display interface	Program/area
BX-Y1A	Total pixels≤600K pixels: 1024*600 (W≤8192, H≤2048)	1 Gigabit network output	No limit/32, custom expend if any special requirement
Function interface	Conventional sensor interfaces and RS485 environmental sensor interface, relay switch, 4 programs selection interface onboard		
Communication interface	100M+RS485/RS232+RS485 environmental sensor port+USB+WiFi onboard		
Special function	Support Chinese and English voice broadcast IR/brightness/temp/humidity sensor onboard, support environmental monitoring sensors and other RS485 interface sensors Support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
Voice broadcast	Support Chinese and English voice broadcast
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard; support phone APP; 4G/GPS optional
Program display	Support program sequence play, program timing play; support emergency notification; onboard 4-bit program selection interface, support external signal to switch 16 programs
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Timing on/off	Onboard relay switch, support software command switch and timing automatic switch screen
Brightness adjustment	16 grade brightness adjust; support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection, voice volume adjustment, brightness adjustment, screen switch, screen test
Sensor	IR/Brightness sensor temp/humidity sensor /485 port onboard; support environmental monitoring sensors and other RS485 interface sensors
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. support digital signature authentication technology to ensure the correct and safe transmission of materials
Database connection	Support MySQL, SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C/C++/C#/Delphi, support secondary development in different platform.
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Firmware update and maintance

Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters

Working voltage	5V (3.5V ~ 5.5V wide working voltage) ;
Power	≤10W (4G optional, ≤15W)

Ambience adaptability

Ambient temperature	Environmental temperature -40°C ~ 80°C;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility

Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

Quality assurance | 7*24 hours power supply, failure rate ≤0.3%

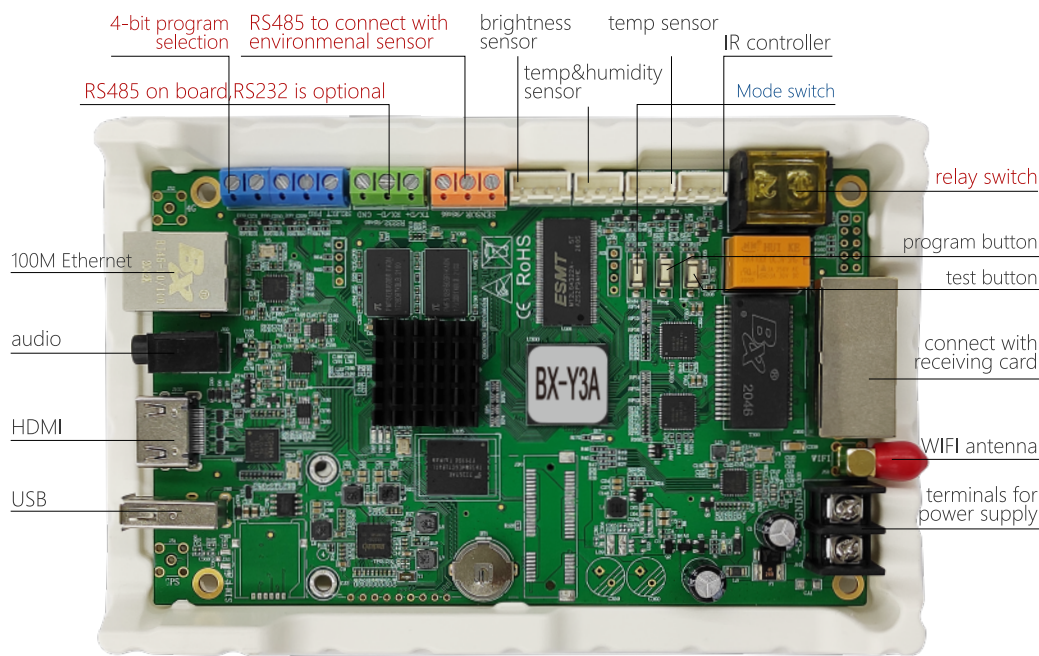
Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



BX-Y3A /Y3A(4G)



Apply to government affairs screens/traffic screens,super-length 19200 pixels
Multi-video zones synchronous/asynchronous dual-mode play, support mixed play
external video source signals and local program information



Multiple scenes • Fully function

Parameter and Function			Installation size: 135 x 82.4mm
Model	Control size	Display interface	Program/area
BX-Y3A	Total pixels≤1280K pixels: 1280*1024 (W≤19200, H≤1920)	2 Gigabit network output,	No limit/32, custom expend if any special requirement
Function interface	Conventional sensor interfaces and RS485 environmental sensor interface, relay switch, 4-bit programs selection interface onboard		
Communication interface	100M+RS485/RS232+RS485 environmental sensor port+USB+WiFi onboard		
Audio and video interface	Input HDMI*1, output AUDIO*1		
Special function	Support Chinese and English voice broadcast Compatible with mainstream security industry protocols and traffic signal equipment protocols ,no necessary for secondary development, Support 2*1080P local video area and 1*1080P@60Hz external video area IR/brightness/temp/humidity sensor onboard,support environmental monitoring sensors and other RS485 interface sensors;support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
Voice broadcast	Support Chinese and English voice broadcast
External video source	Support independent play external video source(synchronous mode) and independent play local program information (asynchronous mode), support external video source signals and local information mix display(synchronous and asynchronous mixing)support manual switching and timing switching of the three modes. support full-screen adaptive scaling of external video source signals and adaptive scaling of program partitions
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard; support phone APP; 4G/GPS optional.
Program display	Support program sequence play, program timing play; support emergency notification; onboard 4-bit program selection interface, support external signal to switch16 programs
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Timing on/off	Onboard relay switch, support software command switch and timing automatic switch screen
Brightness adjustment	16 grade brightness adjust,support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection,voice volume adjustment ,brightness adjustment, screen switch, screen test
Sensor	IR/Brightness sensor temp/humidity sensor /485 port onboard; support environmental monitoring sensors and other RS485 interface sensors
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. support digital signature authentication technology to ensure the correct and safe transmission of materials
Database connection	Support mySQL. SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, Including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C/C++/C#/Delphi, support secondary development in different platform
iledcloud Application and info security	Professional cloud platform publish software. support WeChat applet to edit and publish to ensure info security User real-name authentication, multi-level role authority management, editing/review/ adaptive program release; Remote LED display management /status monitoring function, program release report generation, screen info security assurance function of monitoring and emergency review mechanism.

Firmware update and maintance

Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters

Working voltage	5V (3.5V ~ 5.5V wide working voltage) ;
Power	≤15W (4G optional, ≤20W)

Ambience adaptability

Ambient temperature	Environmental temperature -40°C ~ 80°C;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility

Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic Discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

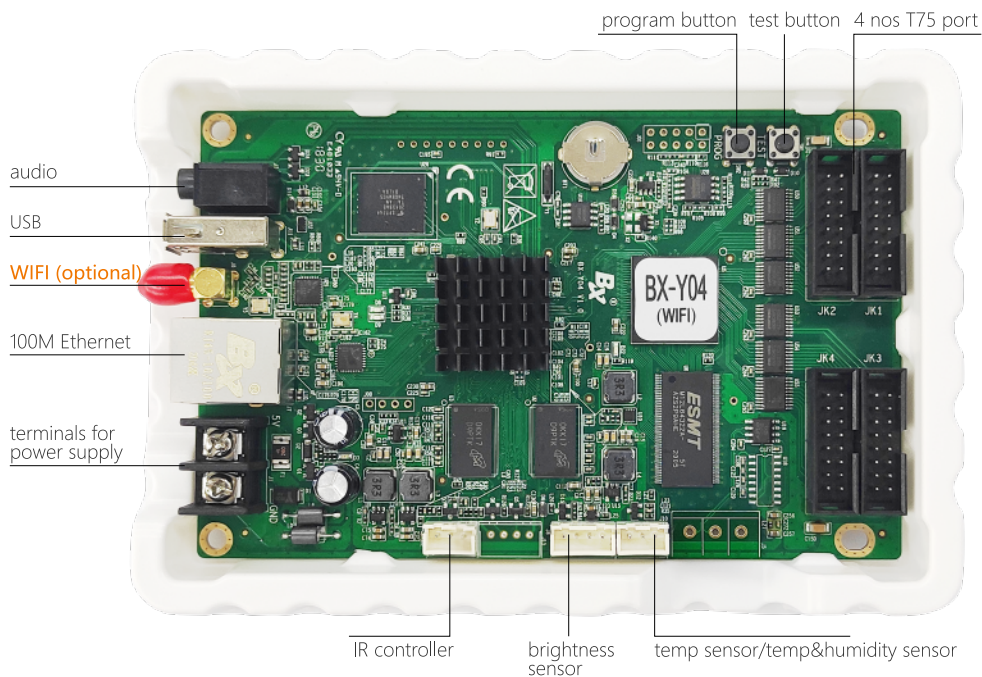
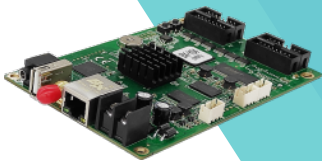
Quality assurance | 7*24 hours power supply, failure rate ≤0.3%

Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



BX-Y04 /Y04(wifi)

One screen one card, apply to small LED lintel screens and vehicle screens
Industrial-grade quality guarantee, support network control and cloud management



Parameter and Function			Installation size: 125.5 x 80.3mm
Model	Control size	Display interface	Program/area
BX-Y04	Total pixels≤64K pixels: 512*128, W≤1024	4 nos 75 port	No limit/32, custom expend if any special requirement
Storage	4GByte FLASH, support USB expend to 256GByte		
Communication interface	100M network+USB+WiFi (optional)		
Special function	Support IR/brightness/temp/temp&humidity sensor Support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI is optional
Program display	Support program sequence play, program timing play; support emergency notification
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Brightness adjustment	16 grade brightness adjust,support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection,voice volume adjustment ,brightness adjustment, screen switch, screen test
Sensor	Support IR/brightness/temp/temp&humidity sensor
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup ; support SSL/TLS encryption protocol to ensure the security of communication information. support digital signature authentication technology to ensure the correct and safe transmission of materials
Database connection	Support mySQL, SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, Including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C/C++/C#/Delphi, support secondary development in different platform
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Firmware update and maintance	
Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters	
Working voltage	5V (3.5V ~ 5.5V wide working voltage)
Power	≤10W

Ambience adaptability	
Ambient temperature	Environmental temperature -40°C ~ 80°C
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility	
Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

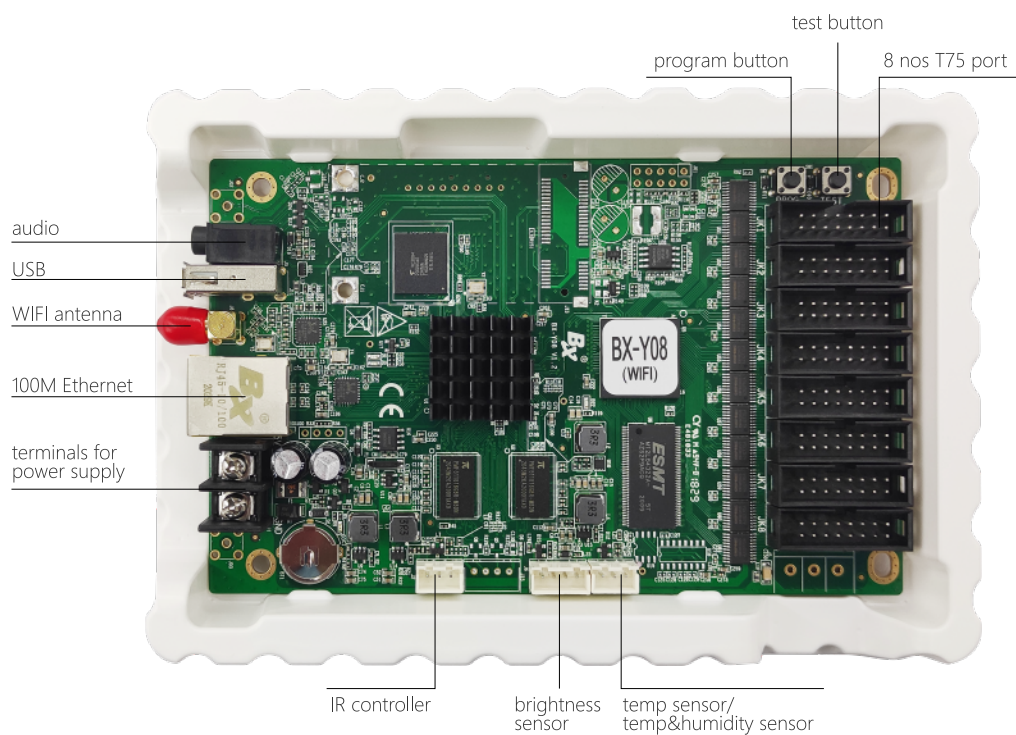
Quality assurance	
7*24 hours power supply, failure rate ≤0.3%	
Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.





BX-Y08 /Y08(wifi) /Y08(4G)

One screen one card ,apply to small LED lintel screens and vehicle screens
Industrial-grade quality guarantee,support network control and cloud management



Parameter and Function			Installation size: 135 x 82.4mm
Model	Control size	Display interface	Program/area
BX-Y08	Total pixels≤128K pixels: 512*256, W≤1024	8 nos 75 port	No limit/32,custom expend if any special requirement
Storage	4GByte FLASH, support USB expend to 256GByte		
Communication interface	100M network+USB+WiFi (optional) ; 4G/GPS optional		
Special function	Support IR/brightness/temp/temp&humidity sensor Support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDSys information release platform (enterprise edition/independent deployment)		

Main Function	
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI is optional; 4G/GPS optional
Program display	Support program sequence play, program timing play; support emergency notification
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Brightness adjustment	16 grade brightness adjust,support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection,voice volume adjustment ,brightness adjustment, screen switch, screen test
Sensor	Support IR/brightness/temp/temp&humidity sensor
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
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Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
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Database connection	Support mySQL, SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, Including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C/C++/C#/Delphi, support secondary development in different platform
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Firmware update and maintance	
Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters	
Working voltage	5V (3.5V ~ 5.5V wide working voltage) ;
Power	≤10W

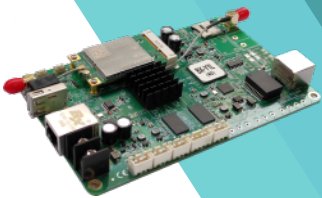
Ambience adaptability	
Ambient temperature	Environmental temperature -40°C ~ 80°C
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility	
Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller Test level 4, discharge 8KV.
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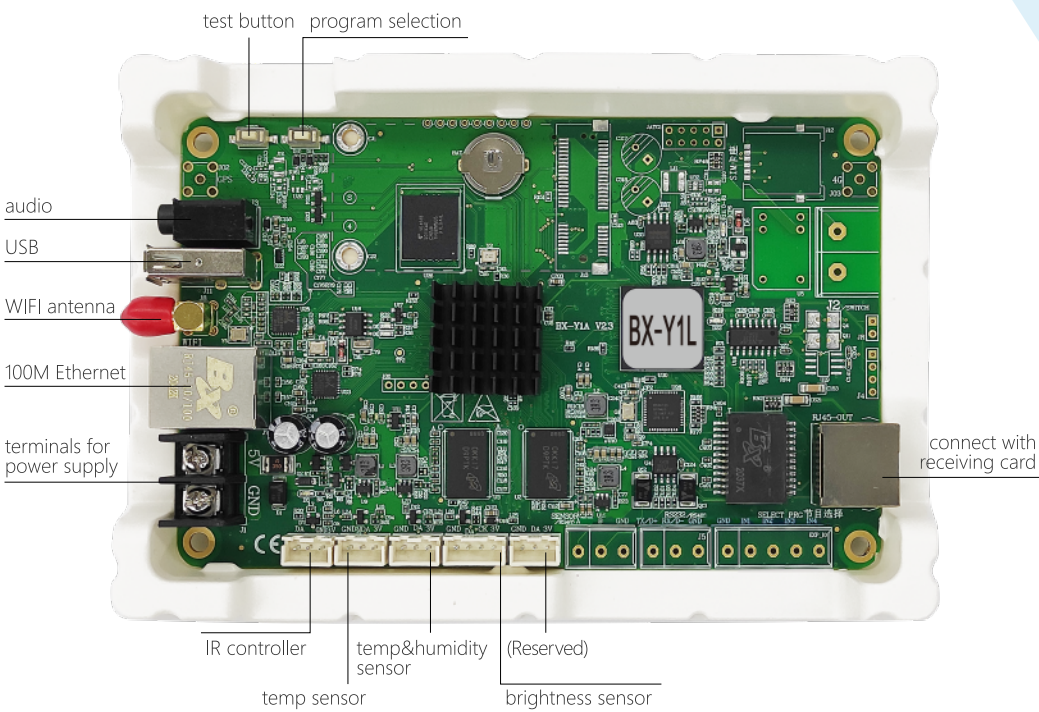
Quality assurance	
7*24 hours power supply, failure rate ≤0.3%	
Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



BX-Y1L /Y1 /Y1(4G)



Apply to middle-small full color screen, super length 4096 /8192 pixels
Industrial-grade quality guarantee, support network control and cloud management



Parameter and Function			Installation size: 135 x 82.4mm
Model	Control size	Display interface	Program/area
BX-Y1L	Total pixels≤256K pixels: 1024*256 (W≤4096, H≤2048)	1 Gigabit network output	No limit/32, custom expend if any special requirement
BX-Y1	Total pixels≤600K pixels: 1024*600 (W≤8192, H≤2048)		
Storage	4GByte FLASH, support USB expend to 256GByte		
Communication interface	100M network+USB+WiFi ; 4G/GPS optional		
Special function	Support IR/brightness/temp/temp&humidity sensor Support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard; support phone APP; 4G/GPS optional
Program display	Support program sequence play, program timing play; support emergency notification
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Brightness adjustment	16 grade brightness adjust, support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection, voice volume adjustment, brightness adjustment, screen switch, screen test
Sensor	Support IR/brightness/temp/temp&humidity sensor
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
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Network streaming	Support HLS, RTSP and RTMP protocol playback
Log function	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. Support digital signature authentication technology to ensure the correct and safe transmission of materials
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Firmware update and maintance	
Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters	
Working voltage	5V (3.5V ~ 5.5V wide working voltage) ;
Power	≤10W

Ambience adaptability	
Ambient temperature	Environmental temperature -40°C ~ 80°C;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea.

Electromagnetic compatibility	
Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
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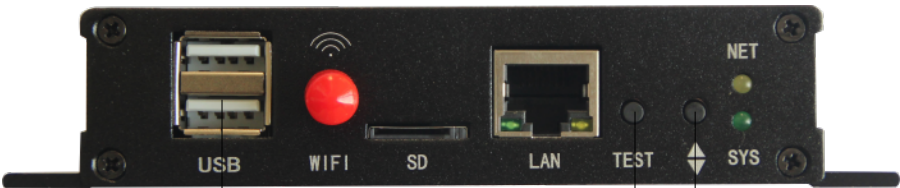
Quality assurance	
7*24 hours power supply, failure rate ≤0.3%	
Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



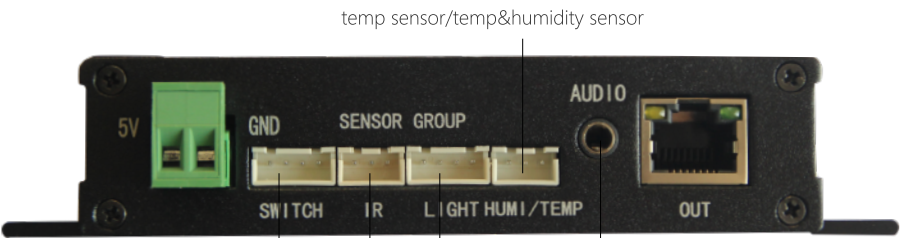
BX-Y2L /Y2



Apply to middle-small full color screen, super length 4096 /8192 pixels
Industrial-grade quality guarantee, support network control and cloud management



support all environmental sensors by USB-RS485 cable test button program selection



remote switch IR controller brightness sensor audio output

Parameter and Function		Installation size: 123.6 x 90mm	
Model	Control size	Display interface	Program/area
BX-Y2L	Total pixels≤256K pixels: 1024*256 (W≤4096, H≤2048)	1 Gigabit network output	No limit/32,custom expend if any special requirement
BX-Y2	Total pixels≤600K pixels: 1024*600 (W≤8192, H≤2048)		
Function interface	IR/Brightness/temp/humidity sensor onboard		
Communication interface	100M network+USB+WiFi onboard		
Special function	Support USB-RS485 converter or support BX-VMF multi-function card, which can be connected to various environmental monitoring sensors; support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard, support mobile APP; matched with BX-4G Modem, or optional 4G router, support 4G communication
Program display	Support program sequence play, program timing play; support emergency notification
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Timing on/off	2 IO output interface onboard, connect with 2 relay switches, support software command switch and timing switch screen
Brightness adjustment	16 grade brightness adjust,support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection,voice volume adjustment ,brightness adjustment, screen switch, screen test
Sensor	Support temp/humidity/brightness/IR sensor connection ;match with USB-485 converter, support environmental monitoring sensors
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. Support digital signature authentication technology to ensure the correct and safe transmission of materials
Database connection	Support mySQL, SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, Including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C/C++/C#/Delphi, support secondary development in different platform
iledcloud Application and info security	Professional cloud platform publish software; Support WeChat applet to edit and publish to ensure info security; User real-name authentication, multi-level role authority management, editing/review/ adaptive program release; Remote LED display management /status monitoring function, program release report generation, screen info security assurance function of monitoring and emergency review mechanism.

Firmware update and maintance	
Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters	
Working voltage	5V (3.5V ~ 5.5V wide working voltage) ;
Power	≤10W

Ambience adaptability	
Ambient temperature	Environmental temperature -40°C ~ 80°C;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility	
Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

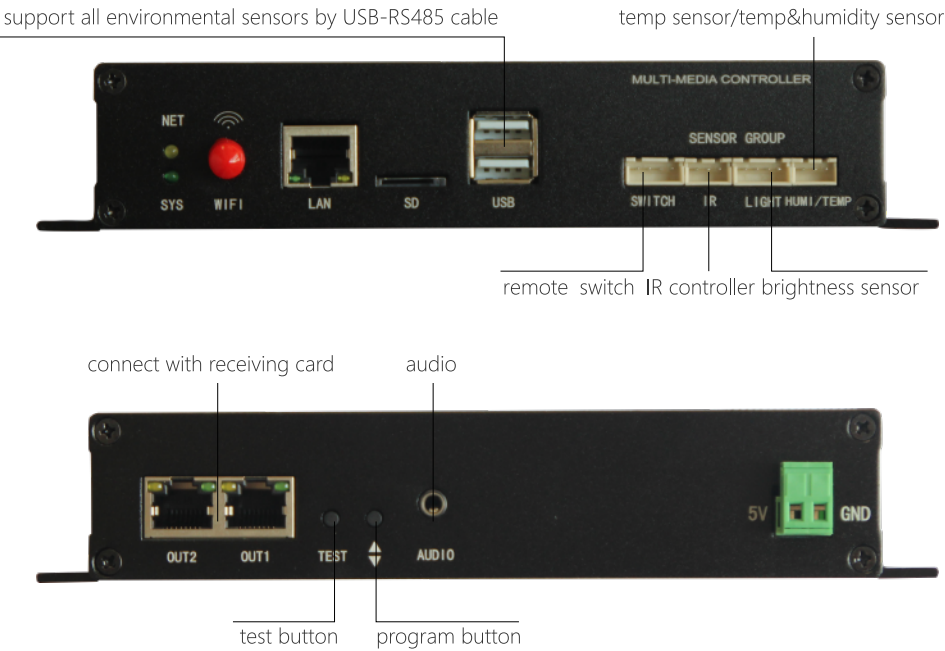
Quality assurance	
7*24 hours power supply, failure rate ≤0.3%	
Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



BX-Y3



Apply to middle size full color screen,super length 16384 pixels
Industrial-grade quality guarantee, support network control and cloud management



Parameter and Function			Installation size: 183 x 90mm
Model	Control size	Display interface	Program/area
BX-Y3	Total pixels≤1280K pixels: 1280*1024 (W≤16384, H≤2048)	2 Gigabit network output	No limit/32, custom expend if any special requirement
Function interface	IR/Brightness/temp/humidity sensor onboard		
Communication interface	100M network+USB+WiFi		
Special function	Support IR/brightness/temp/temp&humidity sensor Support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard, support mobile APP; matched with BX-4G Modem, or optional 4G router, support 4G communication.
Program display	Support program sequence play, program timing play; support emergency notification
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Timing on/off	2 IO output interface onboard, connect with 2 relay switches, support software command switch and timing switch screen
Brightness adjustment	16 grade brightness adjust,support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection,voice volume adjustment ,brightness adjustment, screen switch, screen test
Sensor	Support temp/humidity/brightness/IR sensor connection ;match with USB-485 converter, support environmental monitoring sensors
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. support digital signature authentication technology to ensure the correct and safe transmission of materials
Database connection	Support mySQL, SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, Including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C/C++/C#/Delphi, support secondary development in different platform
iledcloud Application and info security	Professional cloud platform publish software Support WeChat applet to edit and publish to ensure info security User real-name authentication, multi-level role authority management, editing/review/ adaptive program release; Remote LED display management /status monitoring function, program release report generation, screen info security assurance function of monitoring and emergency review mechanism.

Firmware update and maintance	
Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters	
Working voltage	5V (3.5V ~ 5.5V wide working voltage) ;
Power	≤10W

Ambience adaptability	
Ambient temperature	Environmental temperature -40℃ ~ 80℃;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility	
Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

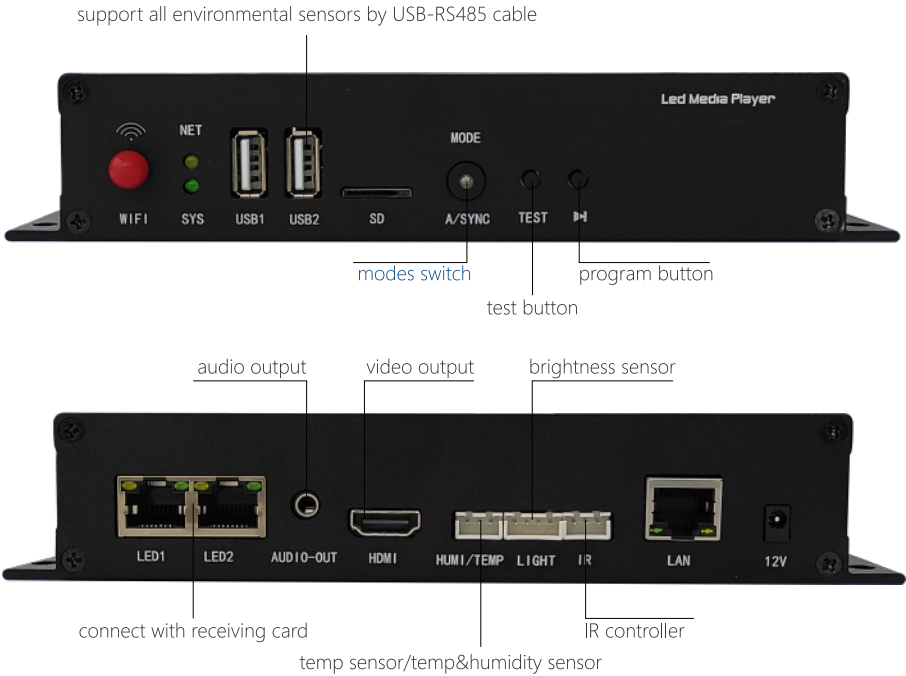
Quality assurance	
7*24 hours power supply, failure rate ≤0.3%	
Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



BX-Y3E



Apply to smart city traffic screen,super length 19200 pixels
Multi-video zone synchronous/asynchronous dual-mode play, support mixed play
external video source signals and local program information



Parameter and Function			Installation size: 183 x 90mm
Model	Control size	Display interface	Program/area
BX-Y3E	Total pixels≤1280K pixels: 1280*1024 (W≤19200, H≤1920)	2 Gigabit network output	No limit/32, custom expend if any special requirement
Storage	8GByte FLASH, support SD and USB expend to 256GB		
Communication interface	100M network+USB+WiFi		
Audio and video interface	input HDMI*1, output AUDIO*1		
Power	12V (With DY30W-12V power adapter)		
Special function	Support 2*1080P local video area and 1*1080P@60Hz external video area IR/Brightness/temp/humidity sensor onboard;support USB-RS485 converter or support BX-VMF multi-function card, which can be connected to various environmental monitoring sensors; support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
External video source	Support independent play external video source(synchronous mode) and independent play local program information (asynchronous mode), support external video source signals and local information mix display(synchronous and asynchronous mixing) Support manual switching and timing switching of the three modes. support full-screen adaptive scaling of external video source signals and adaptive scaling of program partitions
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard, support mobile APP; matched with BX-4G Modem, or optional 4G router, support 4G communication
Program display	Support program sequence play, program timing play; support emergency notification
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	support copy area
Timing on/off	Support BX-VMF multi-function card, support software command switch and timing automatic switch screen
Brightness adjustment	16 grade brightness adjust, support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection, voice volume adjustment, brightness adjustment, screen switch, screen test
Sensor	Support IR/brightness/temp/temp&humidity sensor; match with USB-485 converter, support environmental monitor sensor
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. support digital signature authentication technology to ensure the correct and safe transmission of materials
Database connection	Support MySQL, SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, Including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C/C++/C#/Delphi, support secondary development in different platform
iledcloud Application and info security	Professional cloud platform publish software Support WeChat applet to edit and publish to ensure info security User real-name authentication, multi-level role authority management, editing/review/ adaptive program release; Remote LED display management /status monitoring function, program release report generation, screen info security assurance function of monitoring and emergency review mechanism.

Firmware update and maintance

Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters

Working voltage	12V (With DY30W-12V power adapter)
Power	≤15W

Ambience adaptability

Ambient temperature	Environmental temperature -40℃ ~ 80℃;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility

Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

Quality assurance | 7*24 hours power supply, failure rate ≤0.3%

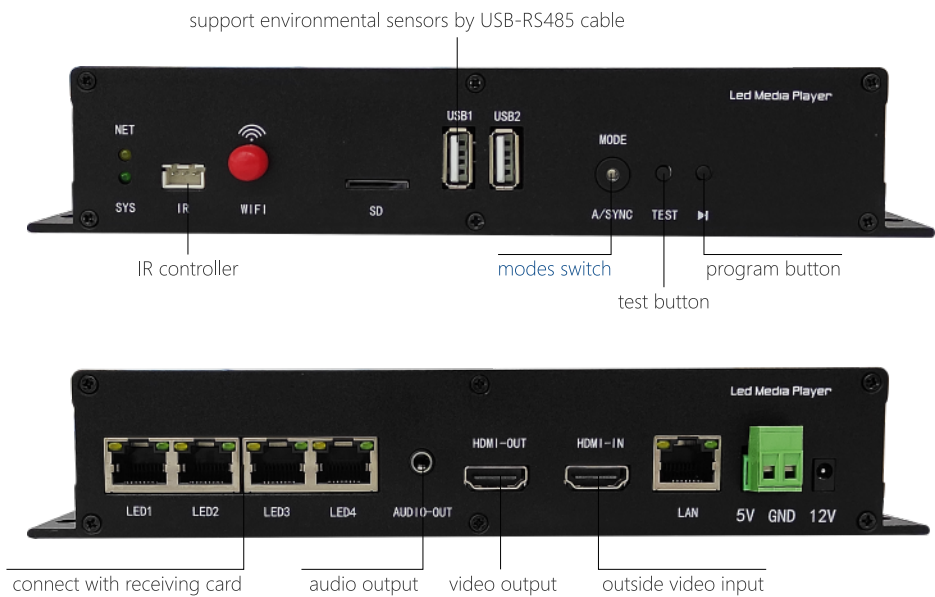
Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



BX-Y5E



Apply to smart city traffic screen,super length 30720 pixels
Multi-video zone synchronous/asynchronous dual-mode play, support mixed
play external video source signals and local program information



Parameter and Function			Installation size: 206 x 90mm
Model	Control size	Display interface	Program/area
BX-Y5E	Total pixels≤2.56 million pixels, 2560*1000@60Hz (W≤30720, H≤3840)	4 Gigabit network output	No limit/32, custom expend if any special requirement
Storage	8GByte FLASH, support SD and USB expend to 256GB		
Communication interface	100M network+USB+WiFi		
Audio and video interface	Input HDMI1.4*1, output HDMI*1、AUDIO*1		
Power	12V (With DY30W-12V power adapter) or 5V		
Special function	Support 3*1080P local video area and 1*1080P@60Hz external video area,or 1*4K*2K video area,support USB-RS485 converter or support BX-VMF multi-function card, which can be connected to various environmental monitoring sensor Support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
External video source	Support independent play external video source(synchronous mode) and independent play local program information (asynchronous mode), support external video source signals and local information mix display(synchronous and asynchronous mixing) support manual switching and timing switching of the three modes. support full-screen adaptive scaling of external video source signals and adaptive scaling of program partitions
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard, support mobile APP; matched with BX-4G Modem, or optional 4G router, support 4G communication
Program display	Support program sequence play, program timing play; support emergency notification
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Timing on/off	Support BX-VMF multi-function card, support software command switch and timing automatic switch screen
Brightness adjustment	16 grade brightness adjust, support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection, voice volume adjustment, brightness adjustment, screen switch, screen test
Sensor	IR interface onboard; match with USB-485 converter, support environmental monitor sensor
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. support digital signature authentication technology to ensure the correct and safe transmission of materials
Database connection	Support MySQL, SQL server database, automatic to obtain data and display
Network data partition	Dynamically obtain JSON file data and JSON field values through server-side URL and specify fields
Secondary development	Supply WINDOWS/LINUX/ANDROID/iOS SDK, Including various dynamic libraries, communication protocols, test routines, etc. Support JAVA/C++/C#/Delphi, support secondary development in different platform
iledcloud Application and info security	Professional cloud platform publish software Support WeChat applet to edit and publish to ensure info security User real-name authentication, multi-level role authority management, editing/review/ adaptive program release; Remote LED display management /status monitoring function, program release report generation, screen info security assurance function of monitoring and emergency review mechanism.

Firmware update and maintance

Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters

Working voltage	12V (With DY30W-12V power adapter) or 5V
Power	≤20W

Ambience adaptability

Ambient temperature	Environmental temperature -40℃ ~ 80℃;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea

Electromagnetic compatibility

Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

Quality assurance | 7*24 hours power supply, failure rate ≤0.3%

Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.



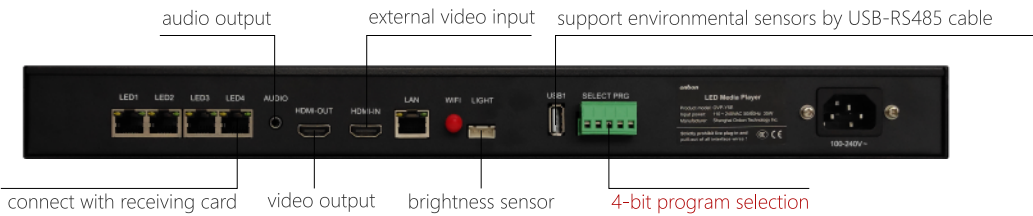
OVP-Y5E



Apply to smart city traffic screen,super length 30720 pixels;
Multi-video zone synchronous/asynchronous dual-mode play, support mixed play
external video source signals and local program information



mode switch
test button
program button



Parameter and Function			
Model	Control size	Display interface	Program/area
OVP-Y5E	Total pixels≤2.56 million pixels, 2560*1000@60Hz (W≤30720, H≤3840)	4 Gigabit network output	No limit/32, custom expend if any special requirement
Storage	8GByte FLASH, support SD and USB expend to 256GB		
Communication interface	100M network+USB+WiFi onboard		
Audio and video interface	input HDMI1.4*1, output HDMI*1, AUDIO*1		
Power	100-240VAC 50/60Hz AC power supply		
Special function	Support 3*1080P local video area and 1*1080P@60Hz external video area,or 1*4K*2K video area,support USB-RS485 converter or support BX-VMF multi-function card, which can be connected to various environmental monitoring sensors Support cloud management: iLEDCloud information release cloud platform, iLEDCloud WeChat applet, iLEDsys information release platform (enterprise edition/independent deployment)		

Main Function	
External video source	Support independent play external video source(synchronous mode) and independent play local program information (asynchronous mode), support external video source signals and local information mix display(synchronous and asynchronous mixing) support manual switching and timing switching of the three modes. support full-screen adaptive scaling of external video source signals and adaptive scaling of program partitions
Communication	Support LAN and Internet communication, IP online configuration and group settings, MAC conflict and IP conflict automatic detection; WIFI onboard, support mobile APP; matched with BX-4G Modem, or optional 4G router, support 4G communication
Program display	Support program sequence play, program timing play; support emergency notification; Onboard 4-bit program selection interface, support external signal to switch and play 4 programs
Screenshot monitoring	Support screenshot monitoring of the current display screen
Rotation display	Support 90°/180°/270° rotation display
Copy area	Support copy area
Timing on/off	Support BX-VMF multi-function card, support software command switch and timing automatic switch screen
Brightness adjustment	16 grade brightness adjust, support three mode: manual, automatically adjust the brightness by time and adjust the environment adaptively
Remote	Support program selection, voice volume adjustment, brightness adjustment, screen switch, screen test
Sensor	IR interface onboard; match with USB-485 converter, support environmental monitor sensor
Weather report	Support more than 21000 overseas cities weather forecast
Dynamic refresh info	Support 32 dynamic areas, support info update in real time
Multi-screen synchronization	Support multiple screen synchronized when playing the same program information
Music background	Support music background
Network streaming	Support HLS, RTSP and RTMP protocol playback
Log	Contains communication log and program play log. Contains the initiator, time of occurrence, related events, related parameters and communication results. Each program play log contains the program name and play time.
Encrypted authentication	Support communication password setup; support SSL/TLS encryption protocol to ensure the security of communication information. support digital signature authentication technology to ensure the correct and safe transmission of materials
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Firmware update and maintance

Platform update	iLEDCloud and iLEDsys update online
Firmware update	Support firmware update online

Electrical parameters

Working voltage	100-240VAC 50/60Hz
Power	≤25W

Ambience adaptability

Ambient temperature	Environmental temperature -40°C ~ 80°C;
Anti-salt spray level	Meet the environmental requirements of 500 meters far from the sea.

Electromagnetic compatibility

Radio harassment	Radio harassment detection on the power terminal, network port and serial port of the LED controller.
Electrostatic Discharge immunity	Surge and impact detection on the network port, serial port, USB port, sensor port, and I/O control port of the LED controller. Test level 4, discharge 8KV.
Surge immunity	Surge detection on the power terminals and network ports of the LED controller. The test level is 4, and the test voltage is 4KV.

Quality assurance | 7*24 hours power supply, failure rate ≤0.3%

Structural protection	Refined plastic shell bracket meets the requirements of insulation, anti-corrosion, anti-static, high and low temperature resistance, flame retardant, environmental protection, etc.,
Surface protection	The surface of all components is coated with UV three-proof glue, the national standard double 85 protection level, dust-proof, moisture-proof, anti-static, and anti-salt spray.

