Soundking

SMART LED EDUCATION/CONFERENCE SCREEN

The world's first AIOT smart eco-LED large screen, ahead of traditional low-light high-gray Technology

Soundking | 音王   音王智慧LED（会议）平台

物联空开
融合终端
智慧LED屏
终端状态   摄像头

信源预览

05:11 下午
2021/10/11 周一

Office

白板

更多应用

| Touch control screen | WIFI Bluetooth | Touch interaction | Multi-function interface | Wireless casting | Camera | Microphone | Speaker | Remote conference | Presenter |

DEVELOPMENT BACKGROUND

At present, there is a strong demand for audio-video technology integration products in large and medium-sized conferences, school classrooms, education and training industries. Throughout the industry market, due to the demand of various applications, more and more local devices and cabinet devices are available. Cabinet equipment is chaotic and uncontrollable. The whole system is redundant, takes up large space, has poor expandability of hardware and software interfaces, and is difficult to operate. The traditional projection area is small, the brightness is weak, the resolution is low, and the background noise is large, so the projection effect is poor. Traditional LCD spliced screen, large splicing, low interactivity, time-consuming interface adaption, inconvenience in handling and installation. Distributed and passive management of audio and video systems is complex. These problems lead to the increased risk of various types of operational accidents, increasing the complexity, uncontrollability and inconvenience of professional and non-professional operation.

The technology integration of audio-video system is developing towards: video signal collection and transmission system, streaming media management and distribution system, paperless conference management system, conference reservation management system, audio-video distributed interactive switching system, recording and broadcast management system, sound pick-up and amplification system, remote video conference transmission system, large data visualization and IoT operation and maintenance system, integrated control system and large screen display system. These have become the urgent needs of the medium and large meetings, school classrooms, education and trainings.

In the "2021 China Electronic Information Industry Development Conference" organized by the China Electronic Information Industry Federation, **SOUNDKING Group smart LED touch screen project** which spend three years on the research and development **won the first prize in the China Electronic Information Industry Innovation and Entrepreneurship Competition** in 311 projects in 20 provinces and cities.

China Electronic Information Industry Innovation and Entrepreneurship Competition

December 2021 First Prize

Second Electronic Information Industry Innovation and Entrepreneurship Competition

First Prize

Organizing Committee of China Electronic Information Industry Innovation and Entrepreneurship Competition

CCDEI Soundking

Soundking's Project

<An AIoT-based LED Management Control System and LED Platform>

Win the 2nd Electronic Information Industry Innovation and Entrepreneurship Competition Final

First Prize

Organizing Committee of China Electronic Information Industry Innovation and Entrepreneurship Competition

December 2021

6 SERIES

Integrated version AW

AW135"/AW163" dual-system

Integrated touch screen version AWT

AWT135"/AWT163" dual-system

Simple screen version X

X165"/X163"/X216"

Simple touch screen version XT

XT135"/XT163"

Innovative integrated version BM

BM135" /BM163" dual-system

Innovative integrated touch screen version BMT

BM135" /BMT163" dual-system

INNOVATION

"Smart LED touch screen" series products provide a simple, modular, cabinet-free, centralized, data visualization, powerful, high integration, low cost, easy operation, free creation of innovative integrated technology products.

Simple and intelligent application management of the product solves the operational and manual risks of overlapping multiple devices. And through the integration of functional modularization, it has solved the industry difficulties of multiple systems and complex software and hardware products that are difficult to manage + difficult to operate. It will become the best preferred solution for large, medium and multi-functional integration of audio and video industry.

INNOVATION

Innovative Android & Windows Dual-system+

Integrated version AW/ Integrated touch screen version AWT/ Innovative integrated version BM/
Innovative integrated touch screen version BMT

(X/XT series only equipped with Android 8.0 system)

Sidebar of Android system

Sidebar APP replacement of Android system

Long press Android system to display replaceable APPs

Switch from Android system to PC system

PRODUCT APPLICATION

Intelligent LED touch screen, one of the integrated series products of SOUNDKING audio equipment, **has an international patent, maintains the function and price advantage, and has low cost after-sale and operation and maintenance.** The super expansion interface ensures that it can be used in most occasions: All kinds of conference rooms, classrooms, education and training, monitoring and dispatching center, broadcasting and live broadcasting room, information dispatching center of public security law, large data operation and maintenance management center, small command center of government an d enterprises, etc.
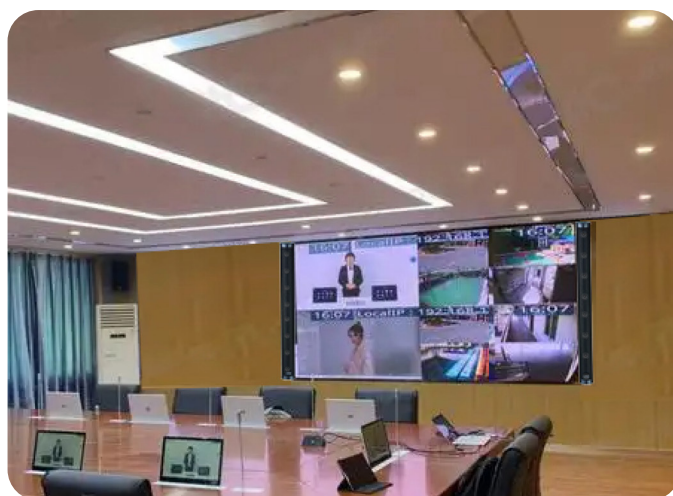

Medium And Large Conference Room

Large Amphitheatre

Remote Training

Mobile Command Center

X Series

Innovative Android 8.0 system

X-Series is an AIoT intelligent eco-LED commercial display system developed by SOUNDKING independently, which integrates the world's leading LED small spacing technology, smart Android system and smart LED conference platform. It is widely used in government-enter prise meetings, rail transit and retail chains.

135"
（LxHxD：3021x1806x35mm)

163"
(LxHxD：3641x2144x35mm)

216"
(LxHxD：4821x2819x35mm)

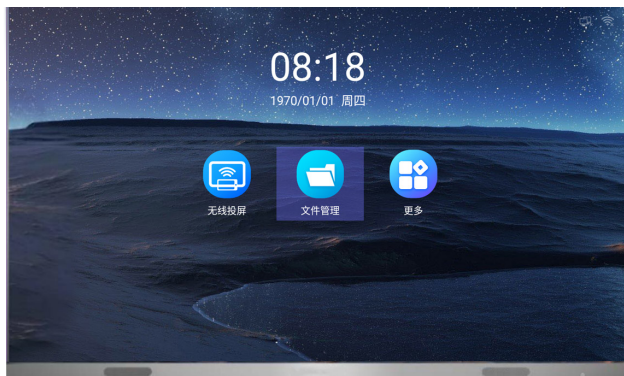| Android 8.0 | Multi-threaded applications | Wireless casting | Multi-function interface | 4G memory | Wireless bluetooth |

< Simple Screen Version X >

Accessories

| Wireless cast | LED Remote control | LED Maintenance tool | Wall mounts |

Simple Screen Version X   X135" X163" X216"

- Built-in system: file fast transfer, background selection, input method, file management, settings, system upgrade, wireless projection screen, theme store, clock, calendar, calculator, browser, etc.
- X-Series is an AloT intelligent eco-LED commercial display system developed by SOUNDKING independently, which integrates the world's leading LED small spacing technology, smart Android system and smart LED conference platform. It is widely used in government-enterprise meetings, rail transit and retail chains.
- Standard 2K (1920•1080) high-definition picture, ultra-thin design (35mm), color saturation above 97%, fine picture quality, low brightness and high gray, 8 levels of brightness can be adjusted freely;
- Adopt Android8.0 system, rich APP, strong function expansibility, support U disk hot swap, plug and play, easy to operate.
- The system is equipped with a quad-core CPU, ultra-high performance GPU, 4G memory, 32G storage (extensible), high processing speed, smooth video playback, high synchronization;
- Support wireless casting, multi-screen networking interaction, one screen multi-display, support remote control, mobile phone, tablet and other intelligent terminal remote control operation;
- Supports remote video conferencing, can satisfy multiple split video screens, refreshes above 2880Hz, and can be used for broadcast-level photography and video recording.
- User-level installation and maintenance, no secondary decoration, no post-maintenance channels, no steel structure, easy on-site construction, support for wall-mounted installation or mobile vertical installation;
- One power cable(216" with 2 power cables), One-key switch, support remote control, intelligent terminal control, simple and convenient;
- Rich interface, compatible: USB interface, HDMI input and output, RJ45 network port, infrared remote control, etc., support WiFi, Bluetooth, Ethernet multiple network transmission methods;

Specifications

Model x135 / x163 / x216

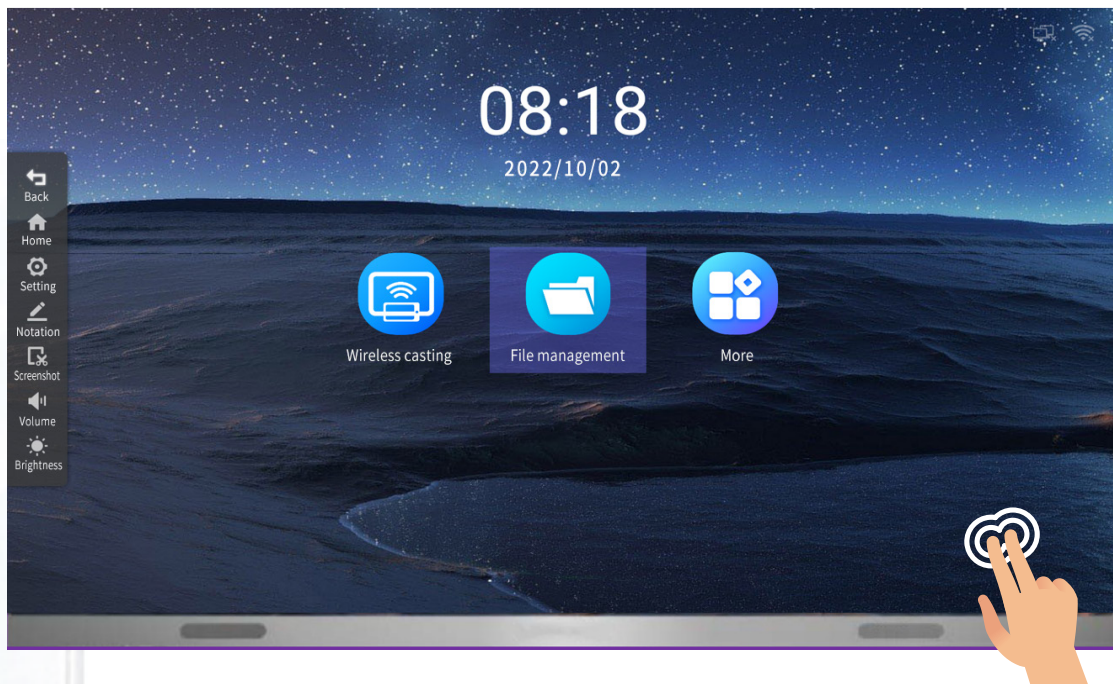|			
Product specification	135"/163"/216"	**ROM**	32G
Display scale	Adaptive 16:9 Downward Compatible 4:3	**Casting**	Support PC/Android/Apple wireless casting
Resolution	1920*1080	**Media Format**	Support MPEG1, MPEG2, MPEG4, WMV, MKV, TS, FLV and other mainstream video formats Support MP3 and other audio formats; Supports JPG, JPEG, BMP, PNG, and GIF formats
White balance	Max. white balance brightness nit600	**HDMI**	HDMI*3(2 in 1out)
Pixel pitch	1.5625mm/1.875mm/2.5mm	**Audio**	3.5mm *1(output)
Display size(mm)	3000x1687.5/3600x2025/4800x2700	**USB**	USB3.0*1/ USB2.0*2
Contrast	6000：1	**Ethernet port**	RJ45 *1
IP grade	IP43/IP30 (front/rear)	**USB**	USB-B*1
Refresh rate	2880-3840（HZ）	**Control interface**	RS232 *1
Recommended viewing distance/ angle	≥5m/angle(H/V)° 160°(H) /160°(V) and above	**Infrared remote control**	Support
Operating temperature	0～40℃	**Bluetooth control**	Support
Operating humidity	20%～80%	**WIFI**	Support dual-WIFI (2.4G/5G)
Operation system	Android 8.0	**Power consumption (Max.)**	135"≤2800W(only screen)163"≤2800W(only screen)) 216"≤4200W(only screen)
CPU/GPU	Quad-core CPU/Mail V811 (GPU)	**Power requirement**	100~230V
RAM	4G	**Power cable**	Support customization
Product size(mm)	3021x1806x35/3621x2144x35/4821x2819x35	**Flight case package size(mm)**	1800x710x750/2100x710x819/2780x710x970
Net weight(kg)	135/192/340	**Fight case package gross weight(kg)**	225.7/296.1/450

XT Series

Innovative Android 8.0 system

XT-Series is an AloT intelligent eco-LED commercial display system developed by SOUNDKING independently, which integrates the world's leading LED small spacing technology, smart Android system and smart LED conference platform. It is widely used in government-enter prise meetings, rail transit and retail chains.

135"
（LxHxD：3021x1834x46mm）

163"
（LxHxD：3641x2171x46mm）

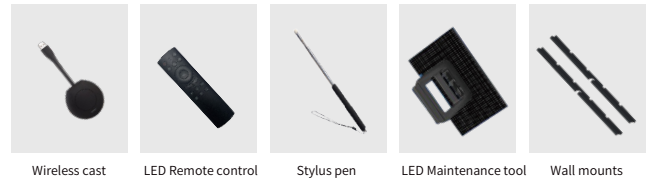| Android 8.0 | Multi-threaded applications | Wireless casting | Multi-function interface | 4G memory | Wireless bluetooth |

Accessories

| Wireless cast | LED Remote control | Stylus pen | LED Maintenance tool | Wall mounts |

Simple screen touch version XT XT35" XT163"

- Built-in system: touch interaction, fast file transfer, system update, wireless casting, browser, etc.
- XT-Series is an AIoT intelligent eco-LED commercial display system developed by SOUNDKING independently, which integrates the world's leading LED
- small spacing technology, smart Android system and smart LED conference platform. It is widely used in government-enterprise meetings, rail transit and retail chains.
- Standard 2K (1920•1080) high-definition picture, ultra-thin design (46mm), color saturation above 97%, fine picture quality, low brightness and high gray, 8 levels of brightness can be adjusted freely;
- Adopt Android8.0 system, rich APP, strong function expansibility, support U disk hot swap, plug and play, easy to operate.
- The system is equipped with a quad-core CPU, ultra-high performance GPU, 4G memory, 32G storage (extensible), high processing speed, smooth video playback, high synchronization;
- Support wireless casting, multi-screen networking interaction, one screen multi-display, support remote control, mobile phone, tablet and other intelligent terminal remote control operation;
- Supports remote video conferencing, can satisfy multiple split video screens, refreshes above 2880Hz, and can be used for broadcast-level photography and video recording.
- GOB surface protection technology completely avoids bumps, touches, electrostatic breakdown, and lamp bead failure caused by water vapor;
- Use infrared touch peripherals, support 10-points touch, fully hidden high-precision infrared light bar, all hardware parameters are pre-installed and debugged, and can be used after installation;
- The product comes with interactive software such as electronic whiteboard and annotations, and supports multiple functions such as multi-touch, screenshots, fast file transmission, scan code transmission, page annotations, etc.;
- User-level installation and maintenance, no secondary decoration, no post-maintenance channels, no steel structure, easy on-site construction, support for wall-mounted installation or mobile vertical installation;
- One power cable, One-key switch, support remote control, intelligent terminal control, simple and convenient;
- Rich interface, compatible: USB interface, HDMI input and output, RJ45 network port, infrared remote control, etc., support WiFi, Bluetooth, Ethernet multiple network transmission methods;

Specifications

Model XT135 / XT163

Product specification	135"/163"	**Casting**	Support PC/Android/Apple wireless casting
Display scale	Adaptive 16:9 Downward Compatible 4:3	**Media Format**	Support MPEG1, MPEG2, MPEG4, WMV, MKV, TS, FLV and other mainstream video formats Support MP3 and other audio formats; Supports JPG, JPEG, BMP, PNG, and GIF formats
Resolution	1920*1080	**Control method**	Infrared touch frame
White balance	Max. white balance brightness nit450	**Touch point**	10-points (Max.)
Pixel pitch(mm)	1.5625/1.875	**Touch diameter**	≥6mm
Display size(mm)	3000x1687.5/3600x2025(W*H)	**HDMI**	HDMI*3 (2 in 1out)
Contrast	6000：1	**Audio**	3.5mm *1(output)
IP grade	IP43/IP30(front/rear)	**USB**	USB3.0*1/ USB2.0*2
Refresh rate	2880-3840 (Hz)	**Ethernet port**	RJ45 *1
Recommended viewing distance/ angle	≥5m/angle(H/V) ° 160°(H) /160 °(V) and above	**USB**	USB-B*1
Operating temperature	0 ~ 40℃	**Control interface**	RS232 *1
Operating humidity	20% ~ 80%	**Infrared remote control**	Support
Operation system	Android 8.0	**Bluetooth control**	Support
CPU/GPU	Quad-core CPU/Mail V811 (GPU)	**WIFI**	Support dual-WIFI(2.4G/5G)
RAM	4G	**Power consumption**	(Max.) ≤2800W(only screen)
ROM	32G	**Power cable**	Support customization
Product size(mm)	3041x1834x46/3641x2171x46	**Flight case package size(mm)**	1800x710x750/2100x710x819
Net weight(kg)	137/192	**Fight case package gross weight(kg)**	227.7/296.1

AW Series

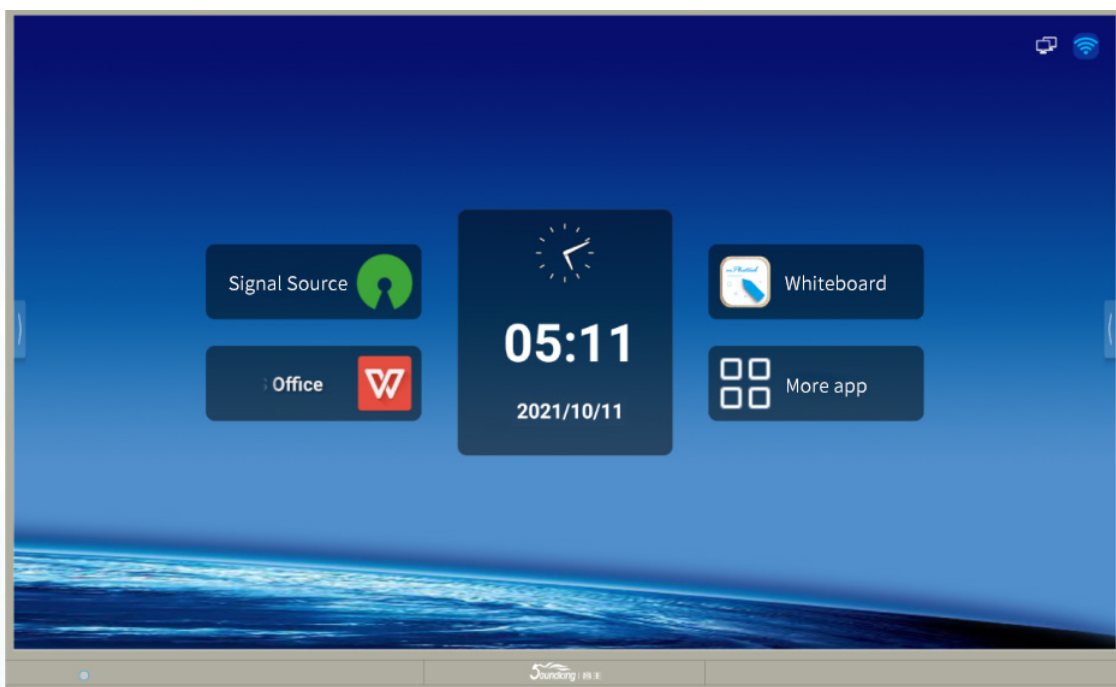## Innovative Android & Windows Dual-system+

AW-Series is an AIoT intelligent eco-LED commercial display system developed by SOUNDKING independently, which integrates the world's leading LED small spacing technology, smart Android system and smart LED conference platform. It is widely used in government-enter prise meetings, rail transit and retail chains.

135"
（LxHxD：3021x1806x35mm）

163"
（LxHxD：3621x2144x35mm）

| App replacement | Custom API interface | Dual system switch | Multi-threaded applications | Wireless casting | Multi-function interface | Presenter | Wireless Bluetooth |

< **Integrated** **Version AW** >

Accessories

Wireless cast   LED Remote control   LED Maintenance tool   Wall mounts

USB Port x2
3.5 Stereo output port x2

Integrated version AW | AW135" | | AW163" |

- Built-in system: file fast transfer, background selection, input method, file management, settings, system upgrade, wireless projection screen, theme store, clock, calendar, calculator, browser, etc.
- The system is equipped with a quad-core CPU, ultra-high performance GPU, **Android/Windows dual-system**, Android system with 3G memory, 16G storage . Windows system with 4G high processing speed, smooth video playback, high synchronization;
- User-level installation and maintenance, no secondary decoration, no post-maintenance channels, no steel structure, easy on-site construction, support for wall-mounted installation or mobile vertical installation;
  Multi-sections for easy installation
- Standard 2K refresh rate, high dynamic picture display, true and natural, no shadow; Wide gamut, even color, no rainbow effect, fine and soft picture.
  Self-developed design of hardware and software, high matchability of function modules, maximize product performance.
- Support wireless casting, multi-screen networking interaction, one screen multi-display, support remote control, mobile phone, tablet and other intelligent terminal remote control operation;
- One-key switch, support remote control, intelligent terminal control, simple and convenient;
  Rich interface, compatible: USB interface, HDMI input and output, RJ45 network port, infrared remote control, etc., support WiFi, Bluetooth,
- Ethernet multiple network transmission methods;

Specifications
Model   AW135 / AW163

Product specification	135"/163"	**Memory**	Android: 3G RAM/16G ROM Windows: 4G RAM/128G SSD
Display scale	Adaptive 16:9 Downward Compatible 4:3	**Casting**	Support PC/Android/Apple wireless casting
Resolution	1920*1080	**Media Format**	Support MPEG1, MPEG2, MPEG4, WMV, MKV, TS, FLV and other mainstream video formats Support MP3 and other audio formats; Supports JPG, JPEG, BMP, PNG, and GIF formats
White balance	Max. white balance brightness nit600	**HDMI**	HDMI*1 (1 in)
Pixel pitch(mm)	1.5625/1.875	**Audio**	Built-in 4x5W speaker, with 3.5 stereo output port x1
Display size(mm)	3000*1687.5/3600*2025(L*H)	**USB**	USB3.0*3 / USB port x2
Contrast	6000：1	**OPS interface**	100-240VAC 50/60Hz
IP grade	IP43/IP30 (front/rear)	**Ethernet port**	RJ45(100m)*1
Refresh rate	2880-3840（HZ）	**Ethernet port**	RJ45(Support protocol conversion RS232/485)*1
Recommended viewing distance/ angle	≥5m/angle(H/V) ° 160°(H) /160 °(V) and above	**Remote control**	Support IR/Bluetooth
Operating temperature	0 ~ 40℃	**WIFI**	Support dual-WIFI (2.4G/5G, WIFI protocol support 802.11/a/b/g/n/ac)
Operating humidity	20% ~ 80%	**Power consumption (Max.)**	Screen ≤2800W Others ≤550W
Operation system	Android 8.0 /Windows	**Power requirement**	100~230V
CPU/GPU	Android: Quad-core CPU/MSD8386 (GPU) Windows: support IntelCorel7-8500U	**Flight case package size(mm)**	1800x710x750/2100x710x819
Product size(mm)	3021x1806x35/3621x2144x35	**Fight case package gross weight(kg)**	250.9/330.8
Net weight(kg)	160.2/226.7		

AWT Series

Innovative Android & Windows Dual-system+

AWT-Series is an AIoT intelligent eco-LED commercial display system developed by SOUNDKING independently, which integrates the world's leading LED small spacing technology, smart Android system and smart LED conference platform. It is widely used in government-enter prise meetings, rail transit and retail chains.

135"
（LxHxD：3041x1834x46mm）

163"
（LxHxD：3641x2165x46mm）

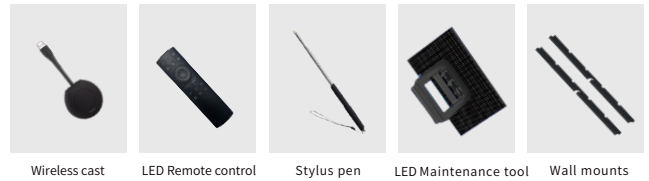| App replacement | Custom API interface | Full-screen touch control | Dual system switch | Multi-threaded applications | Wireless casting | Multi-function interface | Presenter | Wireless Bluetooth |

< Integrated touch screen Version AWT>

Accessories

| Wireless cast | LED Remote control | Stylus pen | LED Maintenance tool | Wall mounts |

USB Port x2
3.5 Stereo output port x2

Integrated touch screen version AWT   AWT135″ AWT163″

- 6000:1 contrast, low power consumption. Built-in system: file fast transfer, wireless casting, theme store, clock, calendar, calculator, browser, etc.
- The system is equipped with a quad-core CPU, ultra-high performance GPU, **Android/Windows dual-system,** Android system with 3G memory, 16G storage . Windows system with 8G high processing speed, smooth video playback, high synchronization;
- User-level installation and maintenance, no secondary decoration, no post-maintenance channels, no steel structure, easy on-site construction, support for wall-mounted installation or mobile vertical installation;
- Multi-sections for easy installation
- Standard 2K refresh rate, high dynamic picture display, true and natural, no shadow; Wide gamut, even color, no rainbow effect, fine and soft picture.
- Self-developed design of hardware and software, high matchability of function modules, maximize product performance.
- Support wireless casting, multi-screen networking interaction, one screen multi-display, support remote control, mobile phone, tablet and other intelligent terminal remote control operation;
- **GOB surface protection technology** completely avoids bumps, touches, electrostatic breakdown, and lamp bead failure caused by water vapor;
- Use infrared touch peripherals, support 20-points touch, fully hidden high-precision infrared light bar, all hardware parameters are pre-installed and debugged, and can be used after installation;
- The product comes with interactive software such as electronic whiteboard and annotations, and supports multiple functions such as multi-touch, screenshots, fast file transmission, scan code transmission, page annotations, etc.;
- One-key switch, support remote control, intelligent terminal control, simple and convenient;
- Rich interface, compatible: USB interface, HDMI input and output, RJ45 network port, infrared remote control, etc., support WiFi, Bluetooth, Ethernet multiple network transmission methods;

Specifications

Model   AWT135 / AWT163

Product specification	135″/163″	**Casting**	Support PC/Android/Apple wireless casting
Display scale	Adaptive 16:9 Downward Compatible 4:3	**Media Format**	Support MPEG1, MPEG2, MPEG4, WMV, MKV, TS, FLV and other mainstream video formats Support MP3 and other audio formats; Supports JPG, JPEG, BMP, PNG, and GIF formats
Resolution	1920*1080	**HDMI**	HDMI*1 (1 in)
White balance	Max. white balance brightness nit450	**Audio**	Built-in 4x5W speaker, with 3.5 stereo output port x1
Pixel pitch(mm)	1.5625/1.875	**USB**	USB3.0*3 / USB port x2
Display size(mm)	3000*1687.5/3600*2025(L*H)	**OPS interface**	100-240VAC 50/60Hz
Contrast	6000：1	**Ethernet port**	RJ45(100m)*1
IP grade	IP43/IP30 (front/rear)	**Ethernet port**	RJ45(Support protocol conversion RS232/485)*1
Refresh rate	2880-3840 （HZ）	**Remote control**	Support IR/Bluetooth
Recommended viewing distance/ angle	≥5m/angle(H/V)°160°(H)/160°(V) and above	**WIFI**	Support dual-WIFI (2.4G/5G, WIFI protocol support 802.11/a/b/g/n/ac)
Operating temperature	0 ~ 40℃	**Touch mode**	Infrared touch
Operating humidity	20% ~ 80%	**Touch point (preset software)**	Single point touch
Operation system	Android 8.0 /Windows	**Touch point (hardware)**	Max. 20-points
CPU/GPU	Android: Quad-core CPU/MSD8386 (GPU) Windows: support IntelCoreI7-8500U	**Touch diameter**	≥6mm
Memory	Android: 3G RAM/16G ROM Windows: 4G RAM/128G SSD	**Power consumption (Max.)**	Screen ≤2800W Others ≤550W
Product size(mm)	3041x1834x46/3641x2165x46	**Power requirement**	100~230V
Net weight(kg)	160.2/226.7	**Flight case package size(mm)**	1800x710x750/2100x710x819
		Fight case package gross weight(kg)	250.9/330.8

BM Series

Innovative Android & Windows Dual-system+

BM-Series is an AIoT intelligent eco-LED commercial display system developed by SOUNDKING independently, which integrates the world's leading LED small spacing technology, smart Android system and smart LED conference platform. It is widely used in government-enter prise meetings, rail transit and retail chains.

135"
（LxHxD：3021x1806x35mm）

163"
（LxHxD：3641x2144x35mm）

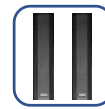| App replacement | Custom API interface | Dual system switch | Multi-threaded applications | Wireless casting | Multi-function interface | Active column | Video conference | Presenter | Wireless Bluetooth |

< Innovative integrated **Version BM**>

Accessories

Wireless cast

LED Remote control

LED Maintenance tool

Wall mounts

AI USB camera
(with microphone)

640W Active column
speaker with DSP

Mini Page turner

USB Port x2
3.5 Stereo output port x2

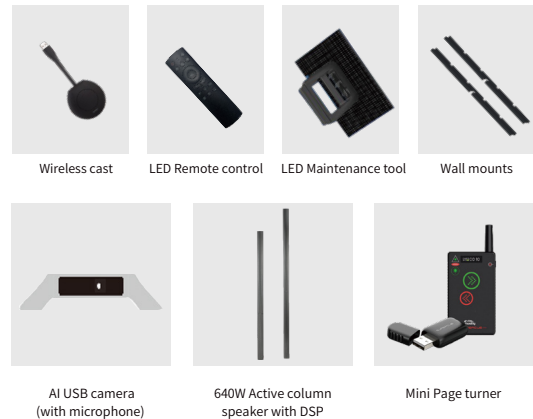## Innovative integrated version BM BM135" BM163"

Innovative Features

640W active column speaker with DSP; Mini page turner; professional wireless cast; AI USB camera (with microphone); extensional interface-sub board.

640W active column speaker with DSP (Placed on the sides of the screen)

This series of products, tailored to the left and right of an active 2-way array column, has a dynamic, high-quality sound amplification effect in a room of 50-100 square meters, with a maximum SPL of 121 dB. The sound amplification system has built-in high-performance DSP module. Supports automatic matching of audio parameters under preset programs; High language clarity and wide dynamic range; Digital amplifier has high power, low distortion and excellent sound quality. Included switch power design, light weight, stable performance, built-in 100V-240V wide power input, high audio-video integration, is the world's first.

- 6000:1 contrast, low power consumption. Built-in system: file fast transfer, background selection, input method, file management, settings, system upgrade, wireless projection screen, theme store, clock, calendar, calculator, browser, etc.

- The system is equipped with a quad-core CPU, ultra-high performance GPU, **Android/Windows dual-system,** Android system with 3G memory, 16G storage . Windows system with 8G high processing speed, smooth video playback, high synchronization;

- User-level installation and maintenance, no secondary decoration, no post-maintenance channels, no steel structure, easy on-site construction, support for wall-mounted installation or mobile vertical installation;

- Multi-sections for easy installation

- Standard 2K refresh rate, high dynamic picture display, true and natural, no shadow; Wide gamut, even color, no rainbow effect, fine and soft picture.

- Self-developed design of hardware and software, high matchability of function modules, maximize product performance.

- Support wireless casting, multi-screen networking interaction, one screen multi-display, support remote control, mobile phone, tablet and other intelligent terminal remote control operation;

- Use infrared touch peripherals, support 20-points touch, fully hidden high-precision infrared light bar, all hardware parameters are pre-installed and debugged, and can be used after installation;

- The product comes with interactive software such as electronic whiteboard and annotations, and supports multiple functions such as multi-touch, screenshots, fast file transmission, scan code transmission, page annotations, etc.;

- One-key switch, support remote control, intelligent terminal control, simple and convenient;

- Rich interface, compatible: USB interface, HDMI input and output, RJ45 network port, infrared remote control, etc., support WiFi, Bluetooth, Ethernet multiple network transmission methods;

- High fidelity two-column active sound amplification system; Support Bluetooth to play music.

- Two sets of speakers with 2-way active amplifier of DSP module.

- With gain, crossover, equalization, delay, limit.

- Functions such as program memory; High efficiency "CLASS-D" digital amplifier.

- High power, low distortion, excellent sound quality.

< Innovative integrated Version BM >

Specifications

Model   BM135 / BM163

Product specification	135"/163"	**CPU/GPU**	Android: Quad-coreCPU/MSD8386 (GPU)
Display scale	Adaptive 16:9 Downward Compatible 4:3		Windows: support IntelCoreI7-8500U
Resolution	1920*1080	**Memory**	Android: 3G RAM/16G ROM
White balance	Max. white balance brightness nit600		Windows: 8G RAM/128G SSD
Pixel pitch(mm)	1.5625/1.875	**Casting**	Support PC/Android/Apple wireless casting
Display size(mm)	3000*1687.5/3600*2025(L*H)	**Media Format**	Support MPEG1, MPEG2, MPEG4, WMV, MKV, TS, FLV and other mainstream video formats;
Contrast	6000：1		Support MP3 and other audio formats; Supports JPG, JPEG, BMP, PNG, and GIF formats
IP grade	IP43/IP30 (front/rear)	**HDMI**	HDMI*3 (2 in 1 out)
Refresh rate	2880-3840（HZ）	**Audio**	Built-in 4x5W speaker, with 3.5 stereo output port x1
Recommended viewing distance/ angle	≥5m/angle(H/V) ° 160°(H) /160 °(V) and above	**USB**	USB3.0*4/ USB2.0*2 / USB port x2
Operating temperature	0 ~ 40℃	**OPS interface**	100-240VAC 50/60Hz
Operating humidity	20% ~ 80%	**Ethernet port**	RJ45(100m)*1
Operation system	Android 8.0 /Windows	**Ethernet port**	RJ45(Support protocol conversion RS232/485)*1
Product size(mm) without column speaker	3021x1806x35/3621x2144x35	**Remote control**	Support IR/Bluetooth
Net weight(kg)	160.2/226.7	**WIFI**	Support dual-WIFI (2.4G/5G, WIFI protocol support 802.11/a/b/g/n/ac)
Flight case package size(mm)	1800x710x750/2100x710x8197	**Fight case package gross weight(kg)**	250.9/330.8

Active column speaker with DSP

System type	Module active line 2-way speaker	**Audio port**	A 3.5-3P Phoenix Terminal, a XLR female
Power	108dB(Max)	**Control series port**	RS485 control
Max. SPL (@1m)	640W / 8Ω	**Power supply**	Rated input power AC180V-AC220V
Frequency rage (-10dB)	65Hz-20KHz	**Material**	Aluminium alloy
Directivity (HxV)	120°×30°	**Housing**	Black oxidized fine Sand finish
LF transducer	6x3" Nd magnetic full-range speakers	**Product size(mm)**	1835*118*128(135") / 2172*118*128(163")
	/φ25mm VC/30W /8Ω	**Weight(kg)**	12.8（135") / 14.3（163")
HF transducer	1x1" compression driver	**Package size(mm)**	1980*365*180(135") / 2318*365*180(163")
	/φ25mm VC /10W /8Ω	**Gross weight(kg)**	16.5(135") / 19.2(163")
		Packaging Specifications	2 PCS

BMT Series

Innovative Android & Windows Dual-system+

BMT-Series is an AIoT intelligent eco-LED commercial display system developed by SOUNDKING independently, which integrates the world's leading LED small spacing technology, smart Android system and smart LED conference platform. It is widely used in government-enter prise meetings, rail transit and retail chains.

135"
（LxHxD：3041x1834x46mm）

163"
（LxHxD：3641x2172x46mm）

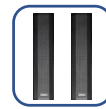| App replacement | Custom API interface | Dual system switch | Multi-threaded applications | Wireless casting | Multi-function interface | Active column | Video conference | Presenter | Wireless Bluetooth |

< **Innovative integrated touch screen Version BMT** >

Accessories

Wireless cast	LED Remote control	Stylus pen	LED Maintenance tool	Wall mounts

AI USB camera (with microphone)	640W Active column speaker with DSP	Mini Page turner

USB Port x2
3.5 Stereo output port x2

BMT135" BMT163"

Innovative integrated touch screen version BMT

Innovative Features
640W active column speaker with DSP; Mini page turner; professional wireless cast; AI USB camera (with microphone); extensional interface-sub board, IR touch, GOB finish.

640W active column speaker with DSP (Placed on the sides of the screen)
This series of products, tailored to the left and right of an active 2-way array column, has a dynamic, high-quality sound amplification effect in a room of 50-100 square meters, with a maximum SPL of 121 dB. The sound amplification system has built-in high-performance DSP module. Supports automatic matching of audio parameters under preset programs; High language clarity and wide dynamic range; Digital amplifier has high power, low distortion and excellent sound quality. Included switch power design, light weight, stable performance, built-in 100V-240V wide power input, high audio-video integration, is the world's first.

- 6000:1 contrast, low power consumption. Built-in system: file fast transfer, wireless casting, theme store, clock, calendar, calculator, browser, etc.
- The system is equipped with a quad-core CPU, ultra-high performance GPU, **Android/Windows dual-system,** Android system with 3G memory, 16G storage . Windows system with 8G high processing speed, smooth video playback, high synchronization;
- User-level installation and maintenance, no secondary decoration, no post-maintenance channels, no steel structure, easy on-site construction, support for wall-mounted installation or mobile vertical installation;
- Multi-sections for easy installation
- Standard 2K refresh rate, high dynamic picture display, true and natural, no shadow; Wide gamut, even color, no rainbow effect, fine and soft picture.
- Self-developed design of hardware and software, high matchability of function modules, maximize product performance.
- Support wireless casting, multi-screen networking interaction, one screen multi-display, support remote control, mobile phone, tablet and other intelligent terminal remote control operation;
- **GOB surface protection technology** completely avoids bumps, touches, electrostatic breakdown, and lamp bead failure caused by water vapor;
- Use infrared touch peripherals, support 20-points touch, fully hidden high-precision infrared light bar, all hardware parameters are pre-installed and debugged, and can be used after installation;
- The product comes with interactive software such as electronic whiteboard and annotations, and supports multiple functions such
- as multi-touch, screenshots, fast file transmission, scan code transmission, page annotations, etc.;
- One-key switch, support remote control, intelligent terminal control, simple and convenient;
- Rich interface, compatible: USB interface, HDMI input and output, RJ45 network port, infrared remote control, etc., support WiFi, Bluetooth, Ethernet multiple network transmission methods;
- High fidelity two-column active sound amplification system; Support Bluetooth to play music.
- Two sets of speakers with 2-way active amplifier of DSP module.
- With gain, crossover, equalization, delay, limit.
- Functions such as program memory; High efficiency "CLASS-D" digital amplifier.
- High power, low distortion, excellent sound quality.

< Innovative integrated touch screen Version BMT >
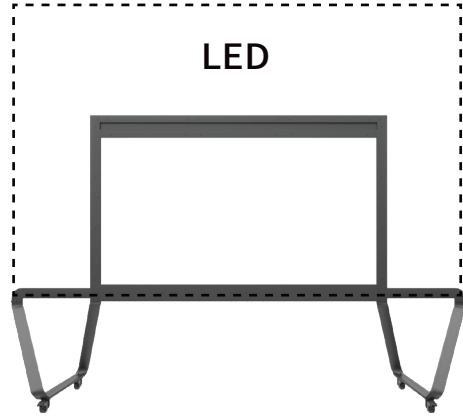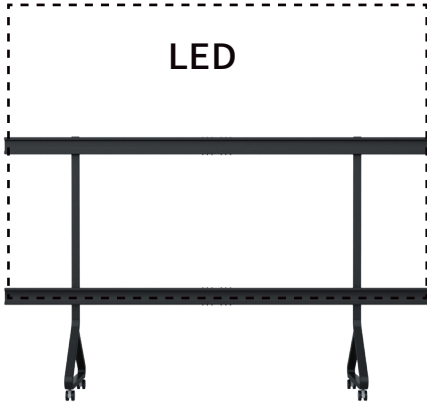
Specifications

Model   BMT135 / BMT163

Product specification	135"/163"	**CPU/GPU**	Android: Quad-coreCPU/MSD8386 (GPU)
Display scale	Adaptive 16:9 Downward Compatible 4:3		Windows: support IntelCoreI7-8500U
Resolution	1920*1080	**Memory**	Android: 3G RAM/16G ROM
White balance	Max. white balance brightness nit450		Windows: 8G RAM/128G SSD
Pixel pitch(mm)	1.5625/1.875	**Casting**	Support PC/Android/Apple wireless casting
Display size(mm)	3000*1687.5/3600*2025(L*H)	**Media Format**	Support MPEG1, MPEG2, MPEG4, WMV, MKV, TS, FLV and other mainstream video formats;
Contrast	6000：1		Support MP3 and other audio formats; Supports JPG, JPEG, BMP, PNG, and GIF formats
IP grade	IP43/IP30 (front/rear)	**HDMI**	HDMI*3 (2 in 1 out)
Refresh rate	2880-3840（HZ）	**Audio**	Built-in 4x5W speaker, with 3.5 stereo output port x1
Recommended viewing distance/ angle	≥5m/angle(H/V) ° 160°(H) /160 °(V) and above	**USB**	USB3.0*4/ USB2.0*2 / USB port x2
Operating temperature	0 ~ 40℃	**OPS interface**	100-240VAC 50/60Hz
Operating humidity	20% ~ 80%	**Ethernet port**	RJ45(100m)*1
Operation system	Android 8.0 /Windows	**Ethernet port**	RJ45(Support protocol conversion RS232/485)*1
Product size(mm) without column speaker	3041x1834x46/3641x2172x46	**Remote control**	Support IR/Bluetooth
Net weight(kg)	160.2/226.7	**WIFI**	Support dual-WIFI (2.4G/5G, WIFI protocol support 802.11/a/b/g/n/ac)
Flight case package size(mm)	1800x710x750/2100x710x819	**Fight case package gross weight(kg)**	250.9/330.8

Active column speaker with DSP

System type	Module active line 2-way speaker	**Audio port**	A 3.5-3P Phoenix Terminal, a XLR female
Power	108dB(Max)	**Control series port**	RS485 control
Max. SPL (@1m)	640W / 8Ω	**Power supply**	Rated input power AC180V-AC220V
Frequency rage (-10dB)	65Hz-20KHz	**Material**	Aluminium alloy
Directivity (HxV)	120°×30°	**Housing**	Black oxidized fine Sand finish
LF transducer	6x3" Nd magnetic full-range speakers	**Product size(mm)**	1835*118*128(135") / 2172*118*128(163")
	/φ25mm VC/30W /8Ω	**Weight(kg)**	12.8（135"）/ 14.3（163"）
HF transducer	1x1" compression driver	**Package size(mm)**	1980*365*180(135") / 2318*365*180(163")
	/φ25mm VC /10W /8Ω	**Gross weight(kg)**	16.5(135") / 19.2(163")
		Packaging Specifications	2 PCS

Optional accessories

LED

LED

Features

Suitable for 135"/163" AW/AWT/BM/BMT mobile stand

• Made of high-strength steel integrated bending process
• Create the best triangle point, while creating a beautiful styling appearance
• It strengthens the overall rigidity of the screen support.
• The scratch-resistant metal-baking paint coating on the surface provides better protection for the stand.

Suitable for 135"/163" X/XT mobile stand

• Made of high-strength aluminium alloy profile integrated bending process.
• Minimize the weight of stand.
• Enhance the overall rigidity of the screen support.
• The scratch-resistant metal coating on the surface plays a better role in protecting the stand.

Specifications

AW/AWT/BM/BMT Specification: 135"/163" Height （for reference)

135": 1800(L)x787(W)x600mm
    (height from botton crossbeam to wheel)
    Net weight：61.3kg
163": 2400(L)x787(W)x600mm
    (height from botton crossbeam to wheel)
    Net weight：70.6kg

(The height is determined by the actual situation,please refer to the manual for details.)

Package size of bracket
135": 2502x1062x170mm Gross weight:73.8kg
163": 2502x1062x170mm Gross weight:83.6kg

X/XT Specification: 135"/163"Height （for reference)
(216'' without mobile stand)

135": 2400(L)x809(W)x654.8mm
    (height from botton crossbeam to wheel)
    Net weight：40KG
163": 3000(L)x809(W)x623mm
    (height from botton crossbeam to wheel)
    Net weight：46KG

(The height is determined by the actual situation,please refer to the manual for details.)

Package size of bracket
135":1954x900x850mm Gross weight:100kg
163": 2342x900x850mm Gross weight:120kg

Basic USB camera
(Suitable for all kinds of screen)/ built-Out

VC04U

LED BMT USB premium version
(dedicated for BMT version) / built-in

Features

▪ Up to 3840x2160P30 video output supported by the latest high quality CMOS image sensor
▪ With a high quality 4K ultra wide angle lens, the horizontal angle of view reaches 110 degrees
▪ Supports more than 3840x2160P30, 1920x1080P30, 1280x720P30 and 640x360P30 video formats, supports YUY2, NV12 video formats and MJPG, H264, H265 decoding
▪ Support automatic frame selection based on intelligent image algorithm
▪ Supports EPTZ
▪ Supports self-pickup with a pickup distance of up to 5 meters
▪ Embedded MIC audio input
▪ Supports standard UVC/UAC communication protocol

Application

It can be used for all kinds of small, medium and departmental meetings. Remote video conferencing, remote conferencing and others.

Specifications

Image sensor	1/2.8" 4K CMOS, 8.46 megapixels	**Pickup distance**	5m
Max. resolution	4KP30	**USB port**	1×USB 3.0 Type-C
Digital zoom	4 times	**Video format**	YUY2, NV12: Standard 3840*2160 is downward compatible
Focal distance	f=2.1mm	**OS**	Windows 7/8/10，Mac OS，Android OS，Linux
Aperture	F2.2	**Conference software/APP**	Zoom/Skype/Ding Talk/Tencent Conference/Google Meets/Teams/WebEx
Viewing angle	Diagonal 120° Horizontal 110° Vertical 87°	**Power consumption**	＜2.5W
Video adjustment	Brightness/chroma/ saturation/ contrast ratio/ sharpness	**Power supply**	5V (USB powered), current≤0.5A
White balance	Auto	**Operation temperature**	0°C～+40°C
Exposure control	Auto	**Storage temperature**	-20°C～+60°C
Intelligent function	Auto	**Operation humidity**	10%RH～90%RH
SNR	≥50dB	**Dimension (LxWxH)**	210mm×74mm×48mm
Menu	Support	**Weight**	≤0.3KG
EPTZ	Support	**Color**	Black
Audio input	Built-in dual mic, pickup distance 5m		

SuperCue MINI

Features

- Multi-function presenter makes collaborative office unique and breaks through the technical barriers of synchronous pager online and offline
- High-intensity laser;
- The signal transmission is more stable, the transmission distance is farther, and the penetration ability is stronger.
- With a rechargeable AAA high capacity cone battery, which is more environmentally friendly, has a longer life and is easy to replace. The remote control provides a timer function so that the speaker can clearly see the current state
- More PC/MAC synchronous presenter can be done in cascade with multiple computers (Professional version)

Application

It can be used for all kinds of small, medium and departmental meetings. Remote video conferencing, remote conferencing and others

Specifications

Communication technolog	433MHz	**Product positioning**	More cost-effective professional products
Transmission distance	>lOOm	**Drive**	Drive-Free System, Plug and Play
Anti-interference	Unique communication frequency band, with stronger anti-interference ability	**Dimension**	86mm*51mm*17mm / 60mm*22mm*11mm
Transmission delay	<20ms	**Power supply**	Polymer Lithium Battery Power Supply: USB Powered
Laser power	30mw	**Weight**	75g /20g
Ergonomics	Ergonomic design for comfortable grip		

On the back

Integration of processing
and active amplifier modules

LSM135(135")
Outerpackingsize：
1980x365x180mm
Net weight：13.6kg
Gross weight：16.5kg
Packing specification：2 PCS

LSM163(163")
Outer packing size：
1980x365x180mm
Net weight：13.6kg
Gross weight：16.5kg
Packing specification：2 PCS

Product description

The LSM series active column speaker newly developed by Soundking has built-in professional digital DSP audio processor, power amplifier and other technologies, which has replaced the disadvantages of traditional sound column connection and use of various complex equipment. The performance parameters have been set according to the actual use scene. Various modes are set, and users only need a simple connection to use it normally. This product is suitable for large, medium and small conference rooms, churches, classrooms, stations, exhibition halls and other occasions, especially the product that can provide the best solution for sound systems for all LED displays. It is a product specially suitable for sound quality requirements. It is suitable for medium and high-end audio projects with good high and low frequency effects, good voice clarity and small installation space.

Features

▪ The sound amplification system has built-in high-performance DSP module.
▪ Supports automatic matching of audio parameters under preset programs;
▪ High language clarity and wide dynamic range;
▪ Digital amplifier has high power, low distortion and excellent sound quality.
▪ Included switch power design, light weight, stable performance, built-in 100V-240V wide power input, high audio-video integration, is the world's first.

Parameters

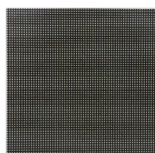| System type	Module active line 2-way speaker
Power	640W / 8Ω
Max. SPL (@1m)	121dB
Frequency rage (-10dB)	65Hz-20KHz
Directivity (HxV)	120°×30°
LF transducer	6x3" Nd magnetic full-range speakers/
	φ25mm VC/30W /8Ω
HF transducer	1x1" compression driver/
	φ25mm VC /10W /8Ω
Audio port	A 3.5-3P Phoenix Terminal, a XLR female
Control series port	RS485 control
Power supply	Rated input power AC180V-AC220V
Material	Aluminium alloy
Housing	Black oxidized fine Sand finish
Package size(mm)	1835x118x128（LSM135）/ 2172x118x128（LSM163）
Net weight (kg)(2PCS)	13.6（LSM135）/ 15.2（LSM163）

Accessories for excellent performance

Wireless cast

Stylus pen

LED maintenance module

www.soundking.com.cn