



INTELLIGENT REMOVABLE VOCAL BOOTH

Professional Acoustic Design	High Quality Sound Isolation	Audio and Video Synchronization
Intelligent Control	Modular Installation	Audio-Video Network Integration



1080P Touch Screen
HD Camera



SOUNDKING Cloud
Education Software



Fresh Air System



Ergonomics
Full Touch Design



Multiple sets of variable
reverberation scenarios



Live/Record



Internal and external
recording microphone



HD Panoramic
Camera



8 sets of
full-range speakers

R & D Background

At present, the voice and music teaching equipment of domestic colleges and universities and general education schools are all traditional large classrooms, large groups, centralized and mixed learning. It is impossible to achieve the goal of individualization, specialization and remoteness in terms of teaching effect and teaching quality. A small number of professional music education schools import vocal booth from abroad in order to train professional students. The market demand of these imported equipment is greatly limited because of the single function, high price and difficult to guarantee after-sale service. Therefore, if this kind of energy device can be localized, multifunctional, high-quality and localized services, the market prospects will be huge.

SOUNDKING Vocal Booth is a multi-functional and intelligent teaching equipment developed by the State Enterprise Technology Center, the State Post-doctoral Workstation and a number of large colleges and universities for all kinds of schools to carry out independent and closed voice coaching, teaching and family music teaching, and has obtained the national patent (patent number: 2021208514329). It fills the gap of professional vocal booth equipment in China's education market. It has created excellent conditions for training professional, high-quality language, music, vocal and other talents.

Honorable Patent

New Patent Number: 2021208514329



Technological innovation

Control center of vocal booth



Tablet PC built-in WN10 operating system and 8 megapixel HD camera, powerful central control host configuration, with Soundking cloud education and teaching software, support multi-party online real-time video education; Power management, function operation pages are all integrated in 8.8 inch LCD screen, supporting Chinese and English display switching, real-time monitoring of indoor formaldehyde, temperature, humidity, carbon dioxide, Pm2. 5, air quality index and other information, alarm warning of numeric overrun; Support voice and video recording simultaneously; Five reverberation functions are preset to simulate different acoustic environments and create virtual environment effects. No need for external cables, 5G provides a faster web experience.

① 23.8" 1080P touch control screen & Windows OS



Built-in WIN10 OS and 8 megapixels HD camera

② Soundking education software

Online video teaching software, tailored for online teaching, to meet the needs of teaching and training scenes in all areas of life. Applicable to live training, live classroom broadcasting, etc. Supports recording function, and the courseware can be uploaded to the cloud Teaching Library for students to watch at any time.



③ Dual-fresh air system

The embedded fresh air system can realize 3-minute fresh air exchange. Achieve the same air quality Indoors and outdoors.
Support central air conditioning access.



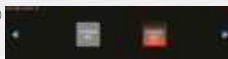
④ Touch control function

Operation integrated on 8.8 inch touch screen

1. Switch to the power control page, tap Power on, wait for the device to turn on;
2. There are separate control buttons for the light and air system on the main page;



①



②



⑤ Top devices

Equipped with karaoke pre-effector, digital audio processor, digital amplifier, 8-channel sequential power supply, video recorder, 4G network transmission module, 5G industrial wireless router.



⑥ Multiple sets of variable reverberation effect scenes

When using the microphone, you can choose different reverberation effects to record the demonstration;



⑦ Built-in Live/Record function

Professional acoustic treatment, internal sound absorption, external sound insulation effect, sound insulation (NR) up to 30dB



⑧ Function of internal and external touch screen recording microphone

Microphone selection: Array microphone and capacitive microphone can be selected respectively;

- 1.. After the microphone is selected, click the REC button to record,
- 2.. Click REC again to end recording, 3.. Click PLAY to play the recording file;



⑨ 360° HD panoramic camera

5 million HD pixels, 360 degree panoramic shooting; Support real-time picture display, can monitor multiple rooms at the same time; Support playback function, can be used for real-time after-school review;

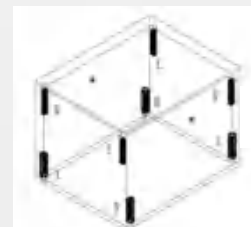


⑩ 5G High-Speed Wireless Network

5G wireless router, without complicated wiring. High-speed wireless internet access



⑪ 8 set of full-range speakers



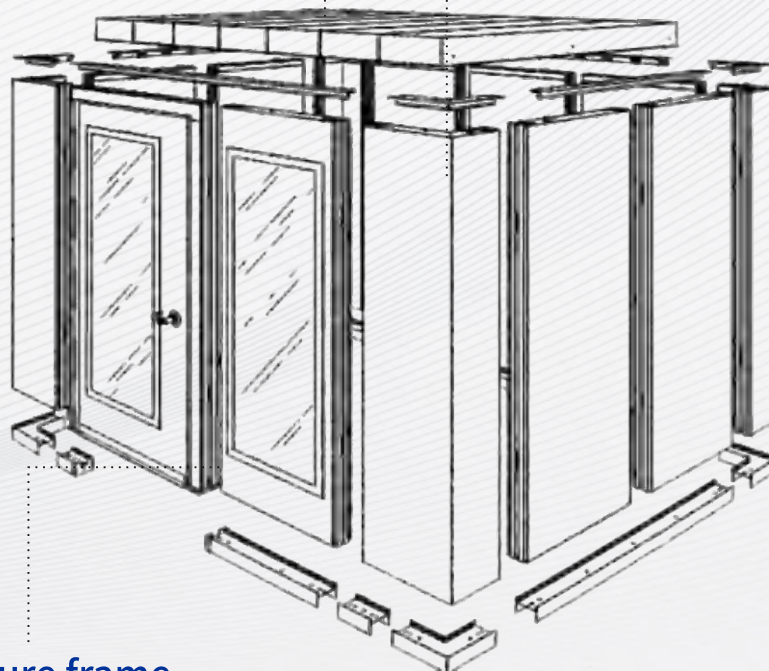
Function description

• Dual-fresh air system

Same air quality external and internal
 W 400*H 400*L 800mm
 Customized quiet ring
 Exhaust silencing system
 Central air conditioning access

• Soundproof wall/door

1. Soundproof wall
 - 1 layer of Interior microporous sound absorption
 - 4 layers of Sound insulation board
 - 4 layers of damping layer
 - 1 layer of Main frame
 - 2 layers of Sound-absorbing cotton
 - 1 layer of cold steel plate
 - (Total wall thickness is about: 150mm)
2. Soundproof door
 - 800*1800mm, outer steel plate baking paint



• Structure frame

The six sides of the "suspended" recording studio are double-layer wall structure. The wall and the top are not contacted, and the bottom is separated by shock absorber; The double-layer sound insulation wall has different thickness and density to avoid the resonance effect and effectively block the air sound and solid vibration. The insulation room uses shock absorber to isolate the ground as a whole. Suspension elastic vibration isolation mobile base. It has all-weather anti-interference ability to external noise and vibration.

Target Market

Higher education schools

General education schools

Social art training institutions

Preschool education institutions

Public security organs

Force mobile / conference command room

Intelligent prison interrogation room

Government emergency command room

Premium webcast room

Remote tutoring room for family vocals



Product Introduction

Screen size	23.8 inch 16:9
Resolution	1920*1080P
Sampling rate	48kHz
Phantom power supply	48V
Frequency response	20-20KHz ± 0.2 dB THD+N $\leq 0.003\%$ @4dBu
Input impedance	20K Ω
Output impedance	100 Ω
Common mode rejection	70dB @80Hz
Max. input level	18dBu
Background noise	-90dBu
Input voltage	AC 220/50Hz

- ① Integrated control and functional operation on 8.8 inch touchscreen;
- ② Five reverberation functions are preset to simulate different acoustic environments and create virtual environment effects;
- ③ Hidden microphone for clear and bright recording; One-click recording without external microphone;
- ④ Online video teaching software, supporting multi-party online real-time video and audio teaching;
- ⑤ 5 megapixels high definition, 360 degree panoramic camera, remote real-time viewing;
- ⑥ 5G high-speed wireless Internet access, no wiring, high-speed Internet access;
- ⑦ Real-time monitoring of indoor formaldehyde, temperature, humidity, carbon dioxide, Pm2. 5, air quality index and other information.

Model	Size	Area	Gross weight
AVC-6	(L)2907*(W)2180*(H)2682MM	6.32M ²	1263kg
AVC-8	(L)3700*(W)2180*(H)2682MM	8.64M ²	1670kg
AVC-12	(L)5284*(W)2180*(H)2682MM	11.52M ²	1750kg
AVC-14	(L)6340*(W)2180*(H)2682MM	13.82M ²	1971kg

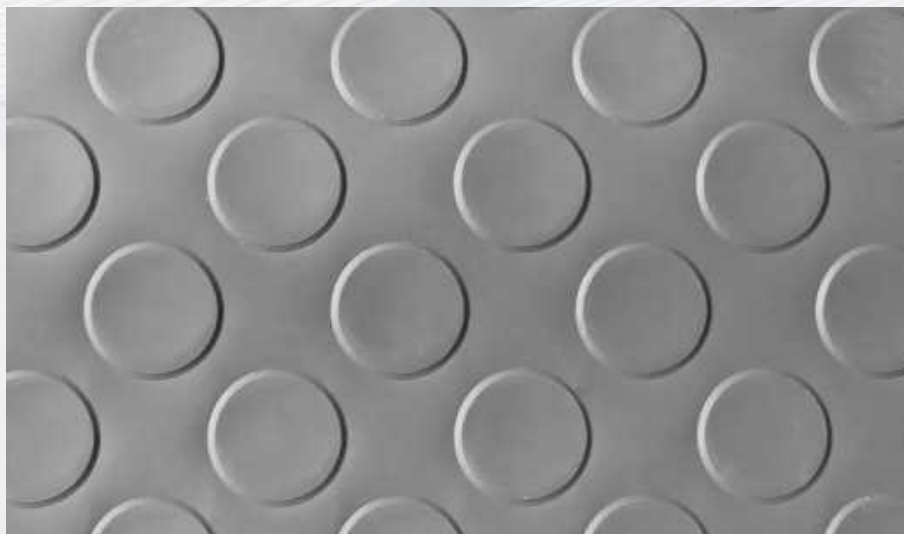


Accessories

Top device list

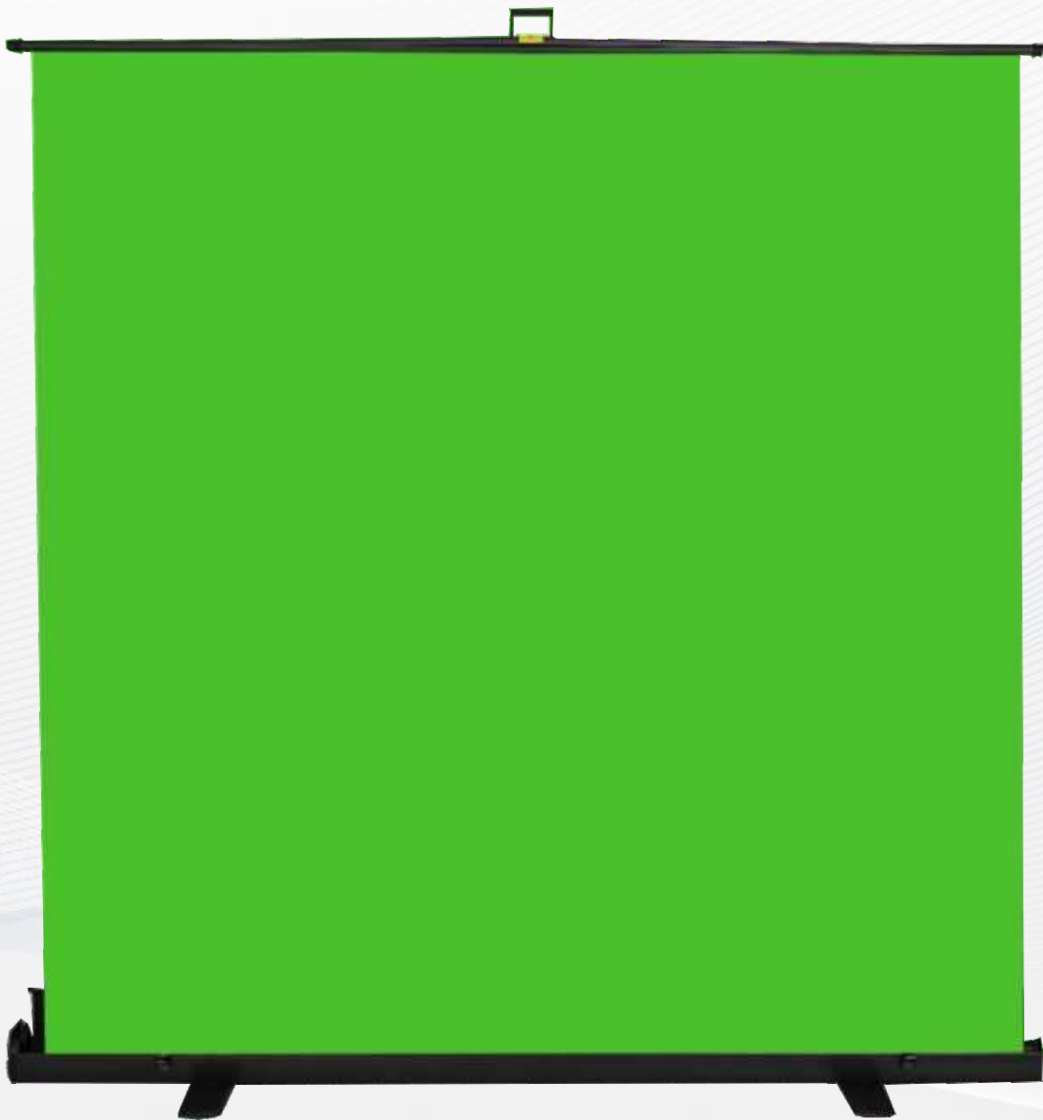
Model	Specification	Quantity	Unit
SK300D_ Karaoke Pre-effector GP OKE	GB 2P-black-1U-220V-20W	1	PCS
Ap44_ L Digital Audio Processor GP	GB 3P-black-1U-110-250V	1	PCS
Aq4150 Digital Amplifier GP	GB 3P-black-220V-4*150W@8Ω	1	PCS
AZ-8F_ 8-way Sequential Power GP OKN Only out, followed by new products instead	GB 3P-black-220V-8 way output	1	PCS
VCR GP	DS-7804N-K1/4P 4K HD 4-way POE VCR with 1T Hard Disk	1	PCS
4G Network Transfer Module GP	USR-G780	1	PCS
5G Industrial Wireless Router GP	USR-G810	1	PCS

Carpet



Optional Accessory

Portable liftable green cloth background



Optional Accessory

Professional Recording Microphone

Eb105 capacitive microphone has a perfect cardioid pickup mode, which can be widely used in professional occasions such as studios, radio and television stations, stage shows, personal recordings and podcasts.

Features

1.1 " Great Diaphragm Capsule;
 Perfect circuit design to effectively reduce noise;
 High sensitivity, low noise, wide dynamic range;
 Low-pass filter and -10dB attenuation switch.



Eb105 capacitive microphone

Package list

Eb105 microphone	1
SHM-8A-1 shock mount	1
Windshield	1
User manual, Warranty card, quality certificate	1 for each
Sponge foam + aluminum box packaging	
All net weight 12kg (Eb105 net weight 387g)	

Specification

Component element	Φ34 pressure gradient sensor
Polarity mode	Single
Frequency response	20Hz-20kHz
Sensitivity	-33±2dB(0dB=1V/Pa at 1kHz)
Output impedance	55Ω±30%(at 1kHz)
Load impedance	≥1000Ω
Equivalent noise level	15dB A
SNR	79dB
Maximum SPL	136dB(at 1kHz≤1%T.H.D)
Current consumption	3mA
Size	Φ51x184mm