S'space Pro

Playeah 酷雅

Sspace Pro

USB1 USB2

POWER

PlayeahSoun³D 酷雅空间声 | 24bit 48Khz | 24bit 96Khz | IMFA | RT-MC | DJOINT | UISIF
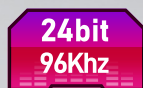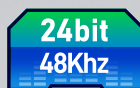
S·space Pro

——Enjoy a whole new level of spaciousness with the profound sound

S'space Pro is a full scene sound, electricity, light and shadow integrated meta-control center designed and developed for the theme exhibition hall, fresh art exhibition, high-end boutique gallery, immersive reality show, interactive sitcom, etc. Excellent sound field processing makes the environment more atmospheric. S'space Pro uses playeah's self-created "Playeah Soun3D" spatial sound composite rendering engine, with up to 64 channels of independent speaker output, to build a more detailed, natural and enveloping three-dimensional sound field.It can work together with set decoration, lighting effects,and video images to create an integrated environment of sound, electricity, light and shadow.

Integration of stage art, music and environment coordination

The fusion of sound, light and shadow is not simply following the changes of the drumbeat. The built-in "IMFA" and "RTBC" technologies of S'space Pro can intelligently analyze and extract music metadata, and coordinate lighting effect changes, dynamic video rhythms and other dynamic actions in real time, making light and shadow dynamic effects and electromechanical linkage more in line with music rhythm and theme emotion.

Multiple interactions, more immersive experience

Playeah independently develops the "UISIF" interactive interface enable S'space Pro to build an organic connection with the audience's perception and actions of sight, hearing, smell, touch, body and movement.It make the theme environment and people can realize all-round mutual interaction, make the theme more touching, and let people be more immersed in the scene.

S'space Pro provides exhibition and program designers with full-featured and unique creative tools, so that each well-designed exhibition, display and play can bring audiences a more super-sensory viewing experience and dee per emotional resonance!
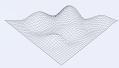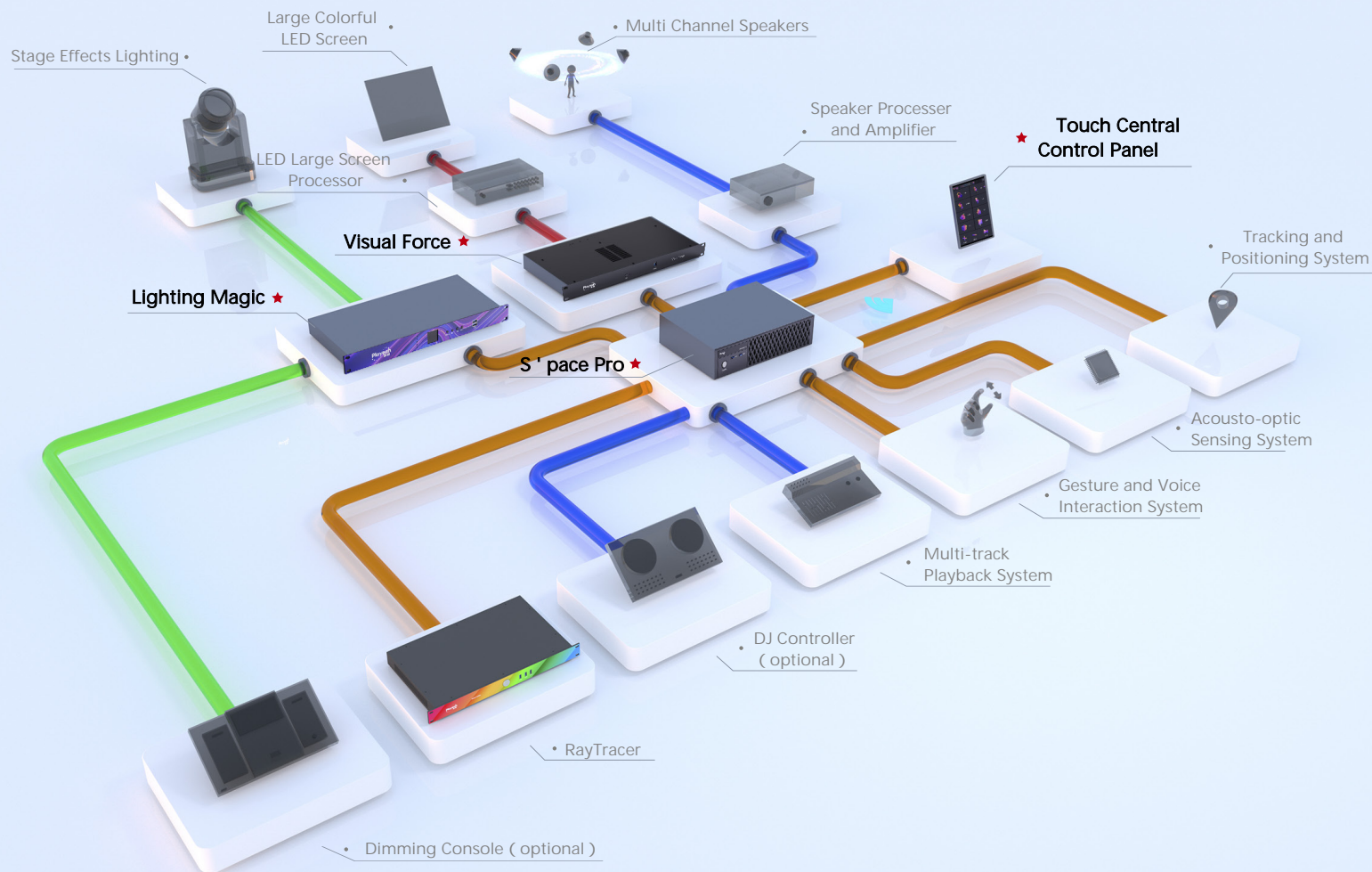
FEATURES

- Self-developed playeah spatial sound "PlayeahSoun3D" spatial sound field multi-algorithm composite rendering engine. It supports multiple hybrid rendering of stereo, surround and spatial sound algorithms such as Stereo, KNN and HOA to generate a more detailed, more natural and more enveloping three-dimensional spatial sound field.

- Up to 64 independent audio channel outputs, constructing a high-density three-dimensional sound field space of up to 64 independent speakers.

- Self-developed universal interactive system interface function "UISIF" can exchange data with various sensing and interactive systems to realize intercommunication. It can not only recognize actions, gestures, voices, spatial positions, etc but also sense light and darkness, color, temperature, and can monitor sound pressure, infrared, electromagnetic, vibration, and various sound, light, magnetoelectric signals.It can also be connected with a mouse, multi-touch screen, 3D game joystick, and remote sensing VR handle.

- The intelligent music composition analysis "IMFA" technology perceives and analyzes music, and extracts metadata information such as music paragraphs, strength, speed, and beat.

- Real-time rhythm control "RT-MC" technology, subverting the traditional mechanical "drum trigger" mode by using the music metadata output by "IMFA", the control metadata instructions are generated in real time to command and control the external devices.

- Support a variety of external device control protocols, such as OSC, RS485, RS232, MIDI, UDP, QLAB, to achieve flexible linkage control.

- Supports high-precision three-dimensional sensing beacons, and the real-time motion tracking accuracy can reach within 10cm.

- Control 32 sports sound sources in real time.

- Built-in YeeTone music cloud account, including massive 3D immersive sound music library

- Self-developed professional spatial sound music player, which can customize the music playlist.

- All Chinese operation interface.

- Automatically set speaker layout parameters in batches
- Built-in 48 channel input digital mixing console.
- Supports SMPTE Timecode Function (LTC, MTC)

Model S' Space Pro					
Processing Core	Intel 64bit 8core CPU		Memory	8GB RAM，512GB SSD	
Control Protoco	OSC,MIDI,RS485,RS232,Qlab,UDP		Control Channel Number	4 x RS485, 4x RS232	
AoLP standard	AES67National standard,GY/T322National standard		Sound Field Algorithms	VDAP, VBAP, KNN, HOA	
Real-time Dynamic Sound Source	32		Automatic Tracking Beacons	32 groups	
Built-in Mixing Console	16 mono inputs 16 stereo inputs 16 outputs		Tuning output control	Independent Bass Control	
Frequency Response	20Hz–20kHz		Harmonic Aistortion	0.003%@1kHZ	
Timer Precision	±0.1ppm		Signal to Noise Ratio	102dB	
Sample Rate	48/96kHz		Processing Accuracy	Float 64bit	
Dynamic Range	96dB		Quantization Accuracy	24bit	
Music Format	WAV,MP3		Network Audio Output	64ch@Dante	
Network Audio Input	48ch@Dante		Dante Interface	2 x RJ45	
Network Interface	1 x RJ45, 1Gbps		USB	4 x USB3.0	
Video Interface	1 x HDMI		Power Supply	AC 220V，Redundant backup dual power	
Size	430mm×385mm×90mm		Weight	7.6 Kg	

Supports SMPTE Timecode Function (LTC, MTC)

S·space Pro

S·space Pro -- Enjoy a whole new level of spaciousness with the profound sound

Stage Effects Lighting •

Large Colorful LED Screen •

• Multi Channel Speakers

Speaker Processer and Amplifier

★ Touch Central Control Panel

LED Large Screen Processor

Visual Force ★

Lighting Magic ★

Tracking and Positioning System

S ' pace Pro ★

Acousto-optic Sensing System

Gesture and Voice Interaction System

Multi-track Playback System

DJ Controller optional

• RayTracer

• Dimming Console   optional

| ▬▬ Control Signal | ▬▬ Video Signal | ▬▬ 512 Signal | ▬▬ Audio signal | ((•)) Wireless Signal |

APPLICATION SCENARIOS

Playeah Soundscape——

Achieving a immersive experience,with the aim to bring new concepts and design perspectives to application scenarios such as themed exhibition halls, fresh art exhibitions, high-end boutique galleries, immersive reality shows, and interactive sitcoms.

Playeah Space