



D6201 Wired Digital Conference System for Conference Rooms



Fully Digital



ARM Processor



TCP / IP Network



DSP Technology



Speaking & Voting



Sign-in & Statistics



Priority Level



Video Tracking



Remote Control

Solution Overview

- As information technology rapidly evolves and corporate conference needs diversify, traditional conference rooms fail to meet the demands of modern, efficient, and convenient conferences. It is necessary to ensure the smooth progress of conferences, improve the efficiency of information transmission, and support various multimedia applications through reasonable design and efficient systems.
- The DSPPA D6201 Digital Conference System is a high-tech professional audio system that integrates advanced digital and audio technologies through cutting-edge digital processing and transmission techniques. It provides high-definition audio and video, convenient control and management, intelligent conference experience and other functions for the conference room.



Project Requirements

- Hand-in-hand connection with a single cable, simplifying wiring and saving labor and resources.
- Digital transmission with strong anti-interference, enhancing audio quality.
- Built-in player, equalizer, and camera tracking for an improved conference experience.
- Multiple conference modes with powerful management features to boost conference efficiency.

Market Demands



Pain Points of Traditional Conference Systems

- Numerous cables that are prone to pulling, tangling, and knotting, making management difficult.
- Multiple signal paths requiring dedicated personnel, leading to high costs.
- Complex architecture, making maintenance difficult.
- Adding microphones requires rewiring, lacking scalability.



Connecting to the Mixing Console



Introducing D6201 Digital Conference System

- Hand-in-hand single-cable connection for simplified wiring, saving labor and resources.
- Single-signal output with intelligent control to enhance conference efficiency.
- Simple architecture for easy maintenance.
- Adding microphones requires only simple numbering, compatible with central control systems.



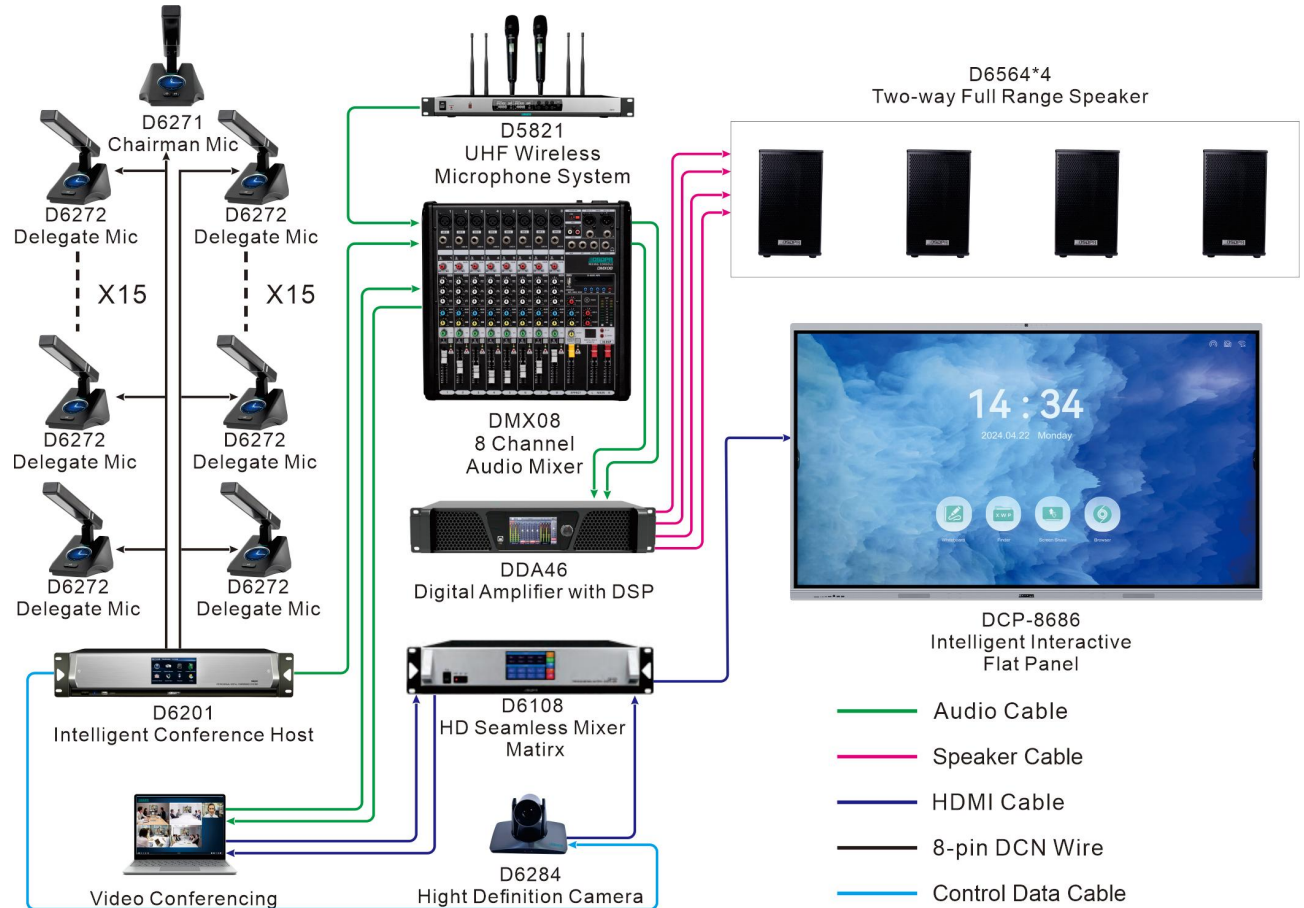
D6201 Conference Host

Connecting to the Mixing Console

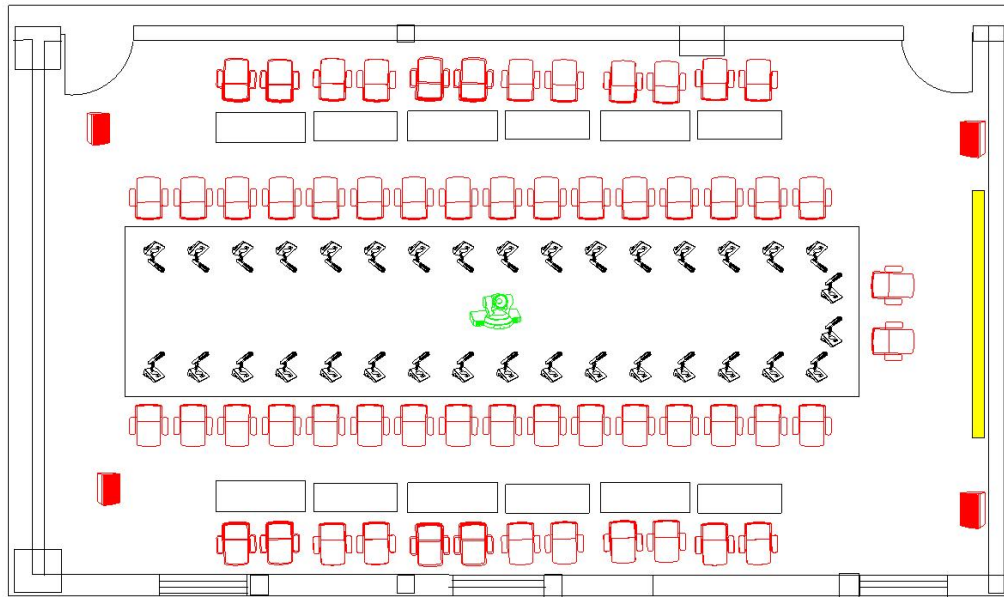
D6201 Conference Room Solution Configuration -20*10m²

System Configuration List

No.	Model	Product Name	Quantity
1	D6201	Intelligent Conference System Host	1PC
2	D6271	Desktop Chairman Microphone with Voting Function	1PC
3	D6272	Desktop Delegate Microphone with Voting Function	32PCS
4	D6263	D62 Series Conference 8-Pin DCN Wire (20m)	2PCS
5	D6284	HD Video Conference Camera	1PC
6	DCP-8686	Intelligent interactive Flat Panel	1PC
7	D6108	8-Channel HD Seamless Hybrid Matrix System	1PC
8	D6104HR	4-Channel HDMI Digital input Module	1PC
9	D6104HC	4-Channel HDMI Digital Output Module	1PC
10	D5821	UHF Wireless MIC System (2 Handheld MICs)	1PC
11	DMX08	8-Channel Audio Mixing Console	1PC
12	DDA46	Digital Amplifier with DSP	1PC
13	D6564	Two-Way Full-Range Speaker	4PCS



System Configuration Instructions



Digital Conference System: The digital conference system consists of the D6201 conference control host, D6271/D6272 speaking units, and related equipment to meet the needs of speaking, discussion, and other functions required in conference rooms. With the D6284 tracking camera configured, when a conference unit is activated, the camera tracks the position of the participant and provides close-up shots. The signal can be delivered to a matrix system or directly to display devices for viewing.

Video System: The video system features the D6108 8-channel Digital Modular Seamless Matrix Switcher, equipped with one HDMI input card (4 channels) and one HDMI output card (4 channels). This setup supports camera tracking, video playback, and work report presentations during meetings. The HDMI matrix serves as the core signal management system for robust signal switching and dispatching tasks.

Sound Reinforcement and Audio Processing Equipment:

The system includes the DMX08 8-channel mixer for audio integration in the conference room. Additionally, the D6575 professional audio processor ensures clear, distortion-free speech without feedback or howling. Four high-fidelity DSP6564 wall-mounted full-range speakers are installed to meet the venue's acoustic requirements. A 4*600W amplifier with DSP signal processing technology drives the speakers, ensuring sufficient sound pressure and enabling remote monitoring of amplifier status and DSP adjustments. This setup ensures professional audio performance, uniform sound field distribution, and accurate sound imaging.

D6201 Intelligent Digital Conference System



Conference discussion



Voting



Simultaneous interpretation



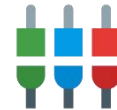
Camera tracking
Video switching



Built-in recording



MP3 player



External line

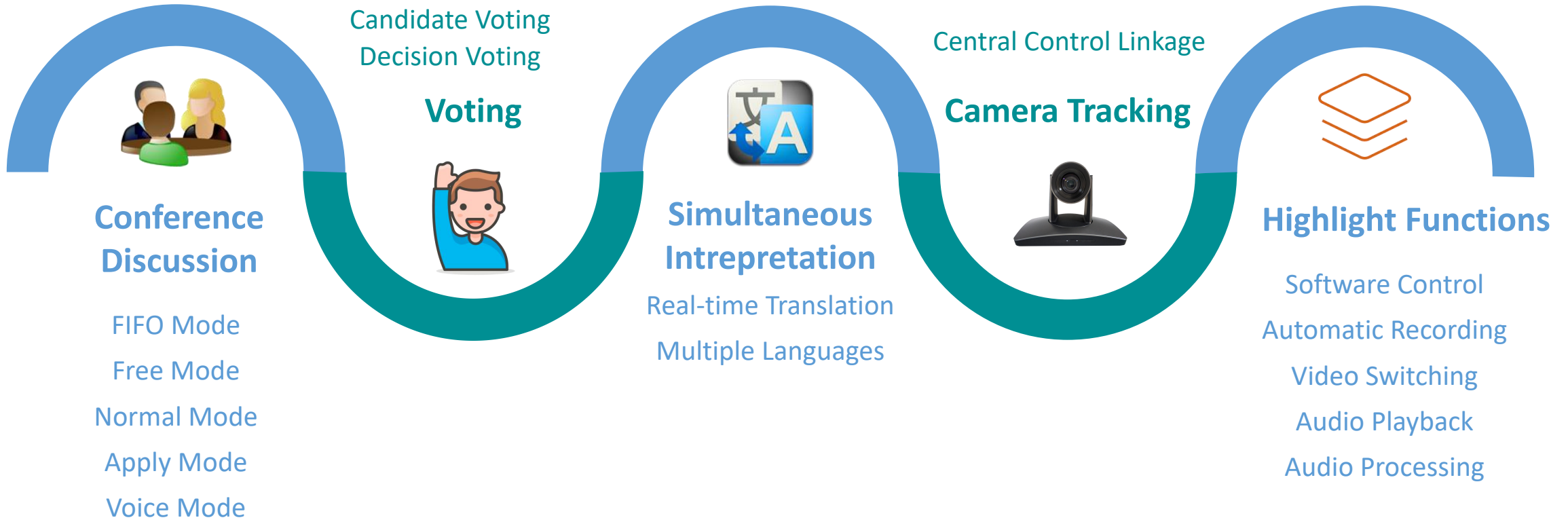


Linkage central control

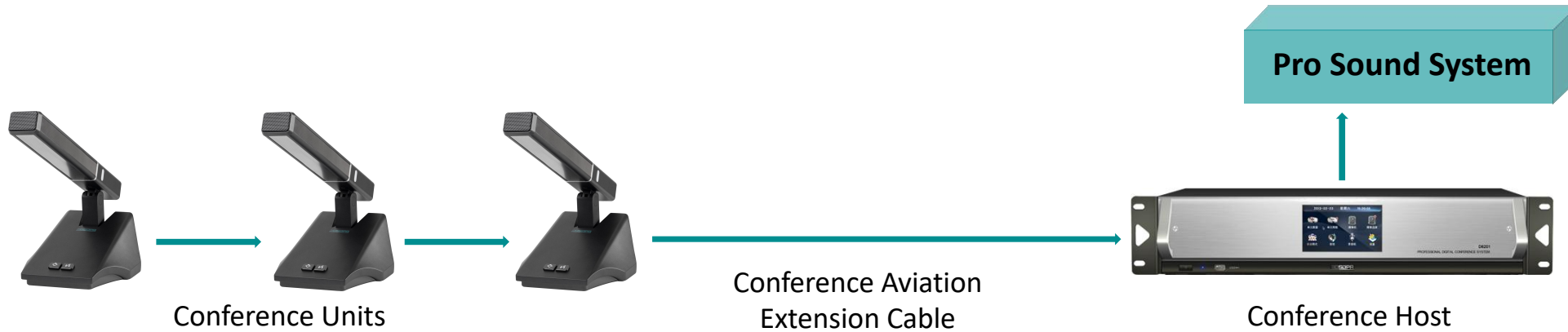


The conference host is highly integrated, and the main functional modules include conference discussion, voting, simultaneous interpretation, camera tracking, automatic recording, multimedia player, line input and output, and linkage central control system.

■ D6201 Digital Conference Room - SystemFunction Features



■ D6201 Digital Conference System - System Architecture



Conference Room



Main Control Room

The conference unit is placed on the conference table, connected hand in hand, and connected to the conference system host in the main control room through the aviation extension line.

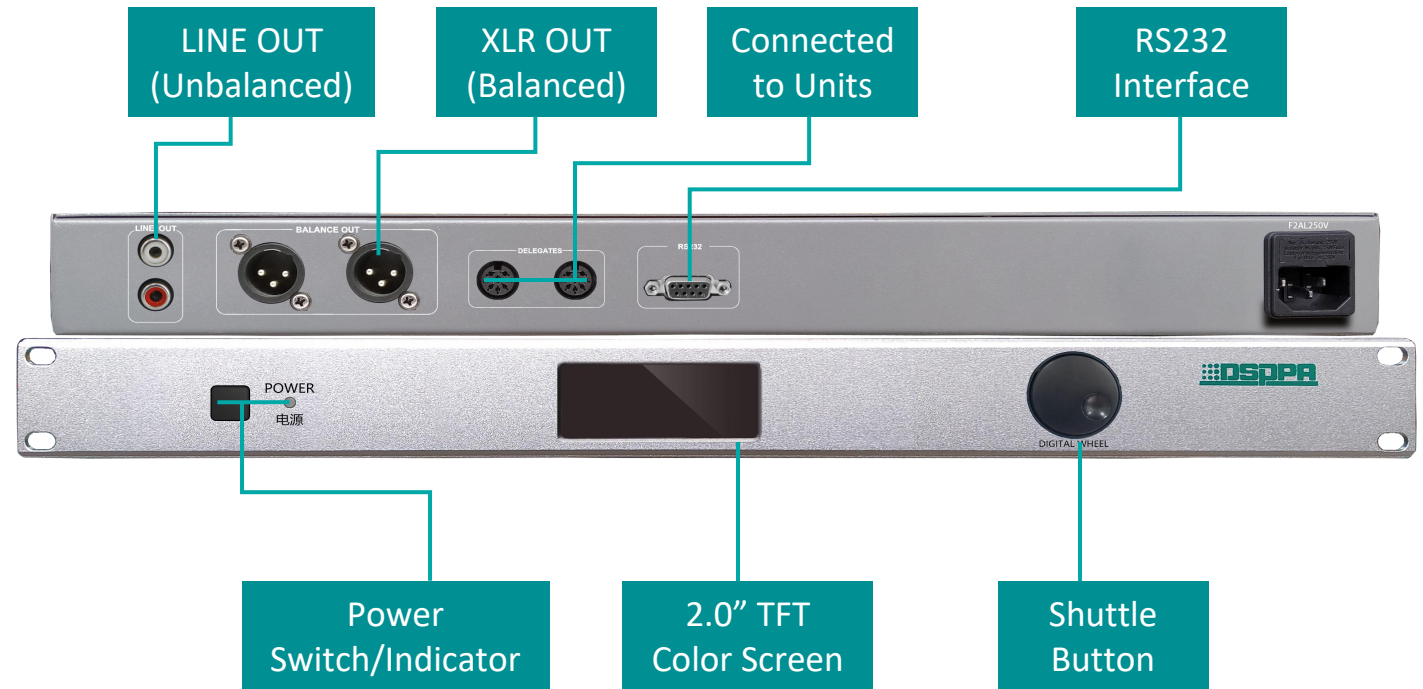
■ D6201 Digital Conference System Camera Tracking Function Diagram



The camera tracking function can automatically capture the speaker's image and display it on a large screen or transmit it in real-time to a remote video conference terminal, enhancing the conference layout and improving overall efficiency.

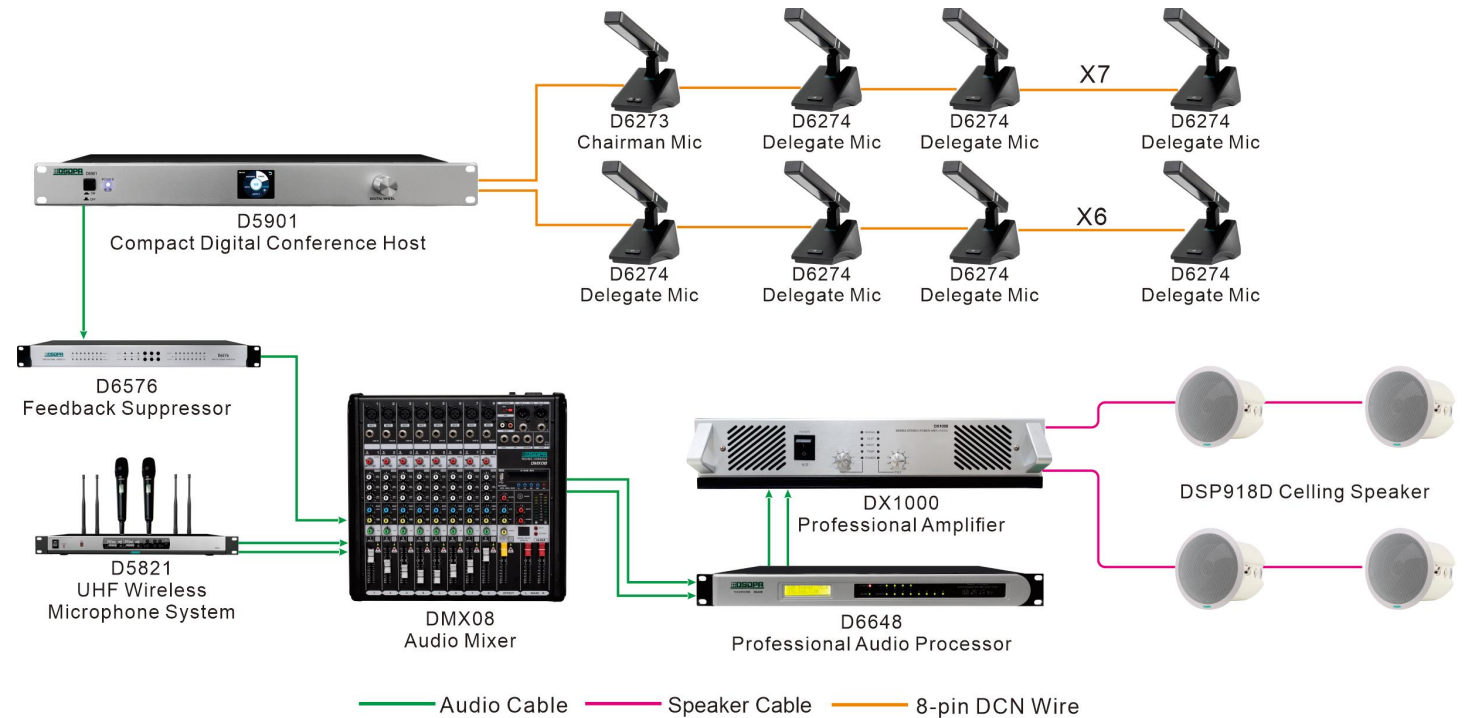
Compact Digital Conference Host D5901

- Supports up to 30 conference units, including both chairman and delegate units.
- 8-pin aviation plug connection with "hand-in-hand" connection method.
- Configurable simultaneous speaking limit (1/2/3/4/5/6).
- Equipped with two 8-pin DIN aviation sockets for connecting conference units.
- Built-in volume adjustment for easy control.
- Adjustable screen saver for energy-efficient operation.
- 2.0-inch LCD screen displaying text in Chinese or English, with functionality managed via a rotary knob.
- Offers five conference modes: FIFO, Free Mode, Normal Mode, Apply Mode, and Voice Mode.
- Includes an RS232 serial port for seamless integration with central control systems.
- Two RCA (unbalanced) outputs for connecting professional amplifiers.
- One XLR (balanced) output for connecting professional amplifiers.
- Compatible with D62 series pure speaking units.
- Compact design with a sleek and elegant appearance, reducing cable and equipment clutter to create a more organized workspace.



D5901 Pure Speaking Conference Room Solution Configuration - 8*15m²

No.	Model	Product Name	Quantity
1	D5901	Compact Digital Conference Host	1PC
2	D6273	Desktop Chairman Microphone	1PC
3	D6274	Desktop Delegate Microphone	16PC
4	D6576	Feedback Suppressor	1PC
5	D5821	UHF Wireless Microphone System	1PC
6	DMX08	Audio Mixer	1PC
7	D6648	Professional Audio Processor	1PC
8	DX1000	Professional Amplifier	1PC
9	DSP918D	Celling Speaker	4PCS



- Conference System:** The conference system consists of the D5901 conference control host, D6223/D6224 speaking units, and related equipment, designed to meet the speaking needs of participants in conference rooms. It supports five conference modes: FIFO (First In, First Out), FREE (Free Mode), NORMAL (Normal Mode), APPLY (Apply Mode), and VOICE (Voice Mode), making it suitable for various conference themes. The host allows volume adjustment and features a 2.0-inch LCD screen that can display subtitles in Chinese or English, with multiple functionalities accessible via a rotary knob.
- Sound Reinforcement and Audio Processing Equipment:** The system includes the DMX08 8-channel mixer for audio integration in the conference room. Additionally, the D6648 professional audio processor ensures clear, distortion-free speech without feedback or howling. Four DSP916D high-fidelity ceiling speakers are installed to meet the venue's acoustic requirements. A 2*150W professional audio amplifier drives the speakers, ensuring adequate sound pressure and optimizing speaker performance. The system ensures uniform sound distribution across the venue.

Device Application - D6271/D6272



- The appearance of the D6271 microphone adopts a metal oxide panel, which can switch the time display, and the simple and tough appearance design shows a retro solemn style.

Function Highlights

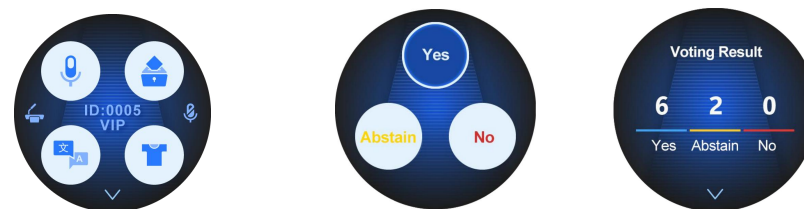
1 Switch interface theme (Support customized interface)

- The interface of D6271-D6278 conference units with a display screen can be switched among three themes: Blue, Platinum, Chinese Red. Touch the clock interface to enter the main interface, click the theme button “👕” for switching.



2 Voting Function

- Touch the “🗳️” voting key on the screen, touch the corresponding button to vote, the icon above the selected item will change color, and the result of this vote will be displayed when the voting is finished.




Discuss, Make Decision,
Then Take Action

We deliver worry-free meeting and accurate communication.









Newly Designed Case	Full metal rectangular	2.1" Touch Screen Control	Dual Backup	Two Mics
Voice Control On/Off Function	Voting	Chairman Unit	Built-in Magnetic Loudspeaker	Self-Test Diagnosis

■ Device Application - D6273/D6274



Discussion, voting, pure speech terminals

Designed to run effective meetings.

			
Crossed-shape directive microphone	Full metal rectangular	Two Microphones	Dual backups
			
Built-in magnetic loudspeaker	Voice control on/off function	Voting	48V phantom power




Voice Mode: Voice Control On/Off Function

Deliver your beautiful sound

When the speaker is near the middle-head of the unit, the unit will be activated automatically. If the speaker does not speak within one minute, the unit microphone will be deactivated automatically.



Multi-angle adjustable Up/down: about 90°

Electret cardioid directional condenser pickup microphone

40-50cm pickup sound

50-60cm pickup sound

Focus on the best pickup experience

Stable, Reliable, Flexible

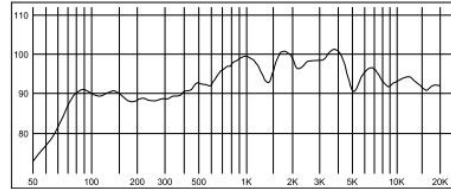
Device Application - 60W Coaxial Ceiling Speaker (DSP918D)

Features:

- Impedance 8Ω , rated power 60W;
- Max.SPL $110 \pm 2\text{dB}$, Effective Freq. Range 45Hz-20kHz;
- Construction of dual-crossover, sensitivity $92 \pm 2\text{dB}$;
- Weight 5 kg, It is made of high quality engineering plastic, long-term durability, never out of shape and fade ;
- Suitable for hotels, commercial buildings, supermarkets, schools, and leisure and entertainment venues.

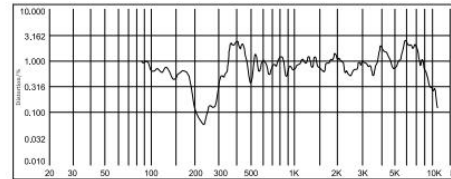
FREQ. RESPONSE

(dB SPL, 1W, 1m)



DISTORTION

(THD < 1.5% 1W, 1m, 100Hz-10kHz)



Small Training Room



Open-Plan Office



Conference Room

■ D6201 Wired Conference System - Case Reference



Faridganj Upazila Parishad Complex,
Bangladesh



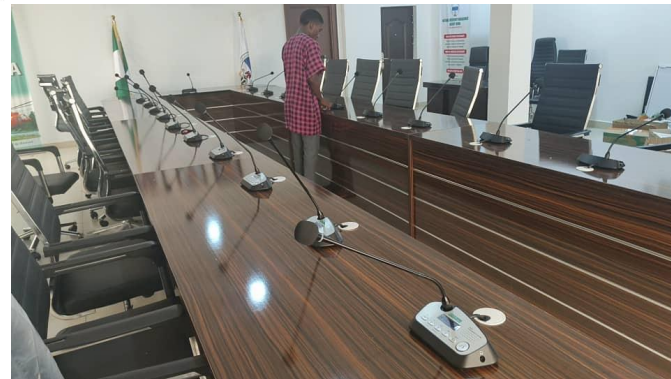
the Department of Statistics , Malaysia



Traditional National Legislative Assembly,
the Republic of South Sudan



NAMPO Headquarters, Bothaville, South
Africa



National Emergency Management Agency,
Nigeria



Petroleum Engineering Institute,
Turkmenistan

Find more cases at www.dsppatech.com / www.dsppacs.com



CREATING THE BEST, SOUNDING THE WORLD



PA/VA: www.dsppatech.com
Conf & ProAV: www.dsppacs.com

