

Council Discussion Series

An advanced conferencing solution designed for optimal audio clarity and ease of use, empowering teams to consult, discuss, and make informed decisions effortlessly.

NE-CDS6000 DIGITAL DISCUSSION CONTROLLER



It leverages advanced DSP/DDOV digital processing and transmission technology, features a fully laminated TFT touch screen for direct system setup without the need for a computer, enhancing installation and debugging efficiency. Its design includes a durable aluminum alloy panel paired with Mohs level 6 touch glass, offering an intuitive graphical interface for effortless operation. Additionally, it incorporates a dual-machine hot backup system for reliability, along with built-in multi-channel internal communication and conference service functionalities.

- Adopt DSP/DDOV digital processing and transmission technology, in line with IEC60065 international standards;
- Equipped with 4.5" TFT fully laminated touch screen, system settings can be completed without a computer, improving installation and debugging efficiency;
- The aluminum alloy panel is embedded with Mohs hardness 6 touch glass, and the graphical human-machine interface is easy to operate and intuitive;
- Equipped with high-performance industrial-grade domestic embedded processor, 1.4GHz main frequency, 1G memory, faster operation speed;
- 8-way unit output, including 2-way RJ45 CAT5e network transmission interface and 6-way 8-core professional shielded interface (can be 8-way RJ45), supporting the connection of 240 units;
- The system capacity is 76,800 units, supporting various connection modes such as ring hand-in-hand, one-line, and T-type;

It has eight conference modes:

- o First-in-first-out mode: after reaching the set number, the last unit opened will cover the first unit opened;
- o Last-in-first-out mode: after reaching the set number, the last unit opened will cover the unit opened later; (achieved through PC software setting)
- o Quantity restriction mode: after reaching the set number, no units except the chairman unit and VIP unit can be opened;
- o Chairman permission (application for speaking) mode: the chairman allows speaking, all representative units are approved or rejected by the chairman unit, and the chairman unit and VIP unit are not restricted;
- o Voice control start mode: voice stimulation automatically turns on the unit, and automatically turns off the unit when no speech is detected;
- o Limited speaking mode: a fixed speaking time can be set, and the conference unit will be automatically turned off when the speaking time ends;
- o Queuing speaking mode: after reaching the set number, the opened units will be opened in the order of opening;
- o Free discussion mode: there is no limit on the number of conference units opened, and all conference units can be opened at the same time;

- The number of speakers is limited to 1/2/3/4/5/6/7/8/9. The number of chairpersons and VIPs is not limited. The number of speakers in free discussion mode is not limited and all speakers can be opened.
- Adopting 48KHz audio sampling frequency, the frequency response is 20Hz-20KHz;
- Built-in DSP digital audio processing module can effectively ensure the internal information of the system and eliminate interference, distortion, crosstalk and other phenomena to the greatest extent;
- Built-in adaptive feedback suppression (AFC), ambient noise elimination (AEC), 5-band digital equalizer (EQ), automatic gain control (AGC) functions;
- Equipped with intelligent automatic protection technology, it can ensure that the conference audio signal is not interrupted when a non-power failure occurs on the conference host;
- Built-in multi-channel internal communication and conference service functions, the conference host can receive conference service request information sent by the conference unit;

- Supports extended conference service display connection, which can dynamically display the processing status of conference service requests;
 - Built-in perpetual calendar with speech timing function. The display screen can dynamically display the date, day of the week and time. The system can automatically synchronize the computer date, day of the week and time.
 - With automatic detection function, it has the functions of chairman unit, VIP unit, representative unit quantity detection, audio detection, button detection and list display;
 - Adopting ID addressing mode, the unit number can be customized to ensure unique ID number, which can effectively avoid ID duplication and conflict;
 - Supports automatic repair and rapid location of system failures without affecting the operation of other equipment;
 - With dual-machine hot backup function, one conference host can be set as a backup host. When the conference host fails, the backup host will automatically take over.
 - The system has an automatic repair function and supports hot plugging of live lines, which further guarantees the safety of the system.
 - The system supports conference room merging/splitting functions, suitable for various conference application venues;
 - Built-in camera tracking function, supports PELCO-D, PELCO-P, SONY, SAMSUNG, tracking host and other control protocols;
 - Supports connection of 4 HD cameras, equipped with 4×1 HDMI HD video matrix with automatic switching, optional 4×2 or 4×4 channels, and customizable SDI interface;
 - Equipped with two control interfaces and control methods, RS-232 and RS-485, cameras can be connected in series or in parallel;
 - Connecting to a high-definition video decoder box can realize automatic switching of video signals with the high-definition matrix, and has the function of freezing the picture linked to the camera;
 - Supports adjustment, saving and calling of preset positions on the conference host touch screen without software, camera remote control and control keyboard;
 - Built-in electronic voting function, with data management functions such as sign-in, voting, election, response, and scoring;
 - Supports functions such as key and IC card sign-in, supplementary sign-in, etc., and the sign-in countdown time and sign-in data can be displayed dynamically in real time;
 - Supports both named and anonymous voting methods. All voting can be exported and archived and can be printed in graphic form.
 - Equipped with extended simultaneous interpretation function, it can be configured with 4/8/12/16/20/32/64 different languages;
 - Supports extended web page control function, which allows users to set and adjust conference functions through browser access without installing programs;
 - Supports extended Dante protocol audio output and can communicate with other Dante audio devices;
 - Equipped with voice separation technology, it supports the expansion of 8/16/32/64 channels of analog audio signal output for use in infrared simultaneous interpretation systems or recording equipment;
 - Supports expansion of USB disk/SD card automatic recording module, which can record all audio content in the meeting and support 2000 hours of continuous recording;
 - With optical fiber extension interface, the sound quality is not attenuated during long-distance transmission, and two remote conference rooms can be merged into one;
 - Equipped with 1-way XLR, 4-way RCA, 1-way TRS audio output and 1-way XLR, 2-way RCA audio input, the volume can be adjusted independently;
 - Supports fire alarm signals, remote video conferencing, background music or other auxiliary audio source input interfaces;
 - Can be connected to other condenser microphones or dynamic microphones to provide users with more choices;
 - The system can connect 150 chairman units at the same time. The chairman unit has the priority function and can also shut down other representative units that are speaking.
 - It has intelligent identity recognition function, which can allocate meeting permissions and meeting management permissions;
 - Ability to set and modify unit identity online. The identities of chairman unit, VIP unit and representative unit can be reallocated and set according to needs.
 - Any chairman or representative unit can be set as a VIP unit. There is no restriction on the VIP unit's speech. A maximum of 150 VIP units can be set.
 - It has the function of approving or rejecting any unit's application to be modified into the chairman unit, VIP unit, or representative unit;
 - Super strong anti-interference ability of mobile phones, no noise when incoming calls, effectively isolating interference from mobile phones (2G/3G/4G/5G) and radio waves (RF), Bluetooth, WiFi and other signals;
 - It has the function of restoring factory values, supports one-key reset to factory state, and prevents the parameters from being messed up;
 - Supports multi-language menu selection, including simplified Chinese, traditional Chinese, and English display menus, and the menu language can be customized according to needs;
 - Built-in AC100V~240V international universal power supply and voltage stabilization system to ensure safe and stable use under unstable voltage conditions.
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TECHNICAL PARAMETERS

MODEL	NE-CDS6000 SERIES
WORKING POWER SUPPLY	AC100~240V 50/60Hz
POWER CONSUMPTION	STATIC 10W, MAXIMUM 200W
SYSTEM CAPACITY	240 UNITS PER MACHINE, EXPANDABLE TO 76,800 UNITS
UNIT INTERFACE	6-WAY 8-CORE PORTS AND 2-WAY NETWORK PORTS OR 8-WAY NETWORK PORTS)
DISPLAY	4.5 " FULLY LAMINATED CAPACITIVE TOUCH SCREEN
FREQUENCY RESPONSE	20Hz~20KHz
SIGNAL-TO-NOISE RATIO	>96 dB
DYNAMIC RANGE	106dB
TOTAL HARMONIC DISTORTION	< 0.05%
OUTPUT IMPEDANCE	47 KΩ
AUDIO INPUT	RCA×2 +20dB XLR×1 +10dB
Audio Output	Balanced output XLR×1 +10dB,Main output RCA×2 +20dB Auxiliary output RCA×2 +20dB, TRS output 6.35×1 +20dB
VIDEO INPUT	HDMI×4
Video Output	HDMI×1
Pixel bandwidth	225MHz
Resolution	1920@1080 60Hz
Video Bandwidth	2.25Gbps
Video Control	RS-485 Phoenix terminal/RS-232
Voting function	Depends on model
Simultaneous interpretation function	Depends on the model (8/16/32/64CH)
Control interface	With RS-232
Dante Protocol	Scalable
Recording function	Expandable USB recording
Dual-machine hot backup	have
color	Dark Gray
net weight	5.0Kg
size	483×320×90mm

Disclaimer: Product specifications and images are subject to change without prior notice due to ongoing development and upgrades.



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