NuExis
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.

NUEXIS

NE-6500-C
DIGITAL TOUCH DISCUSSION MICROPHONE

This state-of-the-art system incorporates the stable DSP/DDOV digital conference technology, along with a high-fidelity 9.7mm gold-plated capacitive pickup head for enhanced voice frequency response sensitivity through precise aperture and spacing calculations. Its unique cavity and one-piece molded steel mesh design, combined with interference correction technology, ensures accurate pickup angles, effectively eliminating feedback and howling issues.

Equipped with a 2" high-brightness LCD display and a 6" capacitive touch panel, it provides clear visibility of system numbers, speech duration, and other key details. The device also features speech timing capabilities, an embedded web page control system for software-free operation by simply entering the IP address, and compatibility across Windows, Android, and iOS platforms. This comprehensive package delivers intuitive functionality and exceptional performance for seamless conferencing experiences

- Adopt advanced and stable DSP/DDOV digital conference technology to realize digital signal transmission and processing;
- Built-in high-fidelity 9.7mm gold-plated condenser pickup head, with precisely calculated aperture and spacing, effectively improving the pickup sensitivity within the human voice frequency response range;
- Unique cavity and pickup design, combined with interference correction technology, can accurately control the pickup details, accurately control the pickup angle, and avoid acoustic feedback and howling;

- High-sensitivity design, with automatic gain AGC, digital equalization EQ, ambient noise elimination AEC functions, effective sound pickup distance can reach 50-60cm;
- Adopt FTC334C professional capacitive touch sensing button processing chip, virtual touch button, no mechanical button sound when switching, long service life;
- It adopts a countertop streamlined design with embedded steel mesh, glass or acrylic and metal lines, giving it a modern and technological feel;
- Equipped with 2" LCD high brightness display screen and 6" ultra-large capacitive touch panel, which can display system number, speech time and other information;
- It has speech timing and scheduled speaking functions, supports dynamic display of speaking time, and can set the countdown time for speaking;
- Adopt high-fidelity lossless audio transmission technology, support 48KHz audio sampling frequency, sensitive sound pickup, clear voice, and frequency response up to 20Hz-20KHz;
- It has three color indications: red for normal speech, green for VIP unit speech, and yellow for numbered status;

- The microphone rod joint and all studs are made of pure copper to restore the sound quality, ensure quality stability and ensure the pickup distance and sound quality;
- It uses a high-quality sponge cover with good elasticity, good air permeability and the function of preventing loosening, which is not easy to fall off or deform during use;
- With intelligent audio detection function, when two adjacent units are close to each other, the audio will automatically reverse and attenuate to prevent howling.
- Supports "ring hand-in-hand" connection, comes with professional 8-core or CAT5 cable, and the wire is fully shielded with aluminum foil and waterline, which can effectively avoid and prevent electromagnetic interference of the line;
- Supports eight conference modes: quantity limit, first-in-first-out, last-in-first-out, chairman permission (application for speaking), voice control start, time-limited speaking, queuing speaking, and free discussion;
- 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.
- Adopt digital ID addressing mode, user-defined ID number, digital identification code, signal stream can be output to third-party voice recognition system and converted into text for archiving;
- With high-definition cameras, it can automatically track speakers and automatically switch images and support image freezing and multiple cameras tracking the same conference unit;
- Supports connecting 150 chairperson units. The chairperson unit has the functions of controlling the meeting order and giving priority to speaking, and can shut down other representative units that are speaking.
- It has a special mode for the chairman, supports the Web application service screen to process the representative unit's request to speak, and the chairman can approve or reject the representative unit's application to speak;
- With three identity permissions, it supports online application to modify unit identity, and can reset and assign chairman unit, VIP unit, and representative unit identities;
- 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.
- The system has an automatic detection function, which can detect the number of online chairman units, VIP units, and representative units, and the system operation status is clear at a glance;
- It has the function of "hot plugging" when the line is powered, supports automatic repair and rapid positioning of system failures, and does not affect the operation of other equipment;
- It has super anti-interference ability and can effectively isolate interference from mobile phones, radio waves, Bluetooth, WiFi and other signals, and will not generate noise when there is an incoming call;
- Equipped with a 3.5 mm headphone jack, which can be used for conference monitoring or recording by participants, and can initialize audio adjustment to prevent sound confusion

TECHNICAL PARAMETERS

model	NE-6500C digital touch-screen chairman unit
System Capacity	20 units per channel, expandable to 76,800 units
Microphone Type	9.7mm gold-plated microphone core
Display	2" LCD display
Frequency Response	20Hz~20KHz
Signal-to-Noise Ratio	>90dB
Dynamic Range	96dB
Total Harmonic Distortion	< 0.05%
Microphone sensitivity	-37dB±2dB
Operating voltage	24V DC±5%
Working current	60mA ±5%
Connection	Junction box, T-type connector, ring handle
Connectors	Large 8-core (or network port)
Number of units opened	1/2/3/4/5/6/7/8/9 or all
Numbering function	Customizable ID number
Unit power consumption	2W
Equivalent noise	20dBA (SPL)
Maximum sound pressure level	125dB (THD<3%)
Headphone output interface	Φ3.5mm stereo jack
Headphone Load	>16Ω
Headphone volume	10mW
Number of Chairmen	150 units
VIP quantity	150 units
color	Gray (black glass panel)
weight	0.75Kg
Dimensions	166×125×52mm (excluding microphone rod)

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