

LCN-8000 IP Network Conference Host

INTRODUCTION

LCN-8000 is a high-performance digital conference controller built on an all-IP network architecture, integrating conference management, audio processing, camera tracking control, and system integration in one platform. It supports hybrid connection of wired and wireless conference units, with up to 128 conference units on a single controller, and supports multiple topology modes including star, daisy-chain, and ring for flexible deployment in various conference scenarios. With 48 kHz lossless audio transmission, the LCN-8000 delivers low-latency and high-fidelity sound performance. It supports independent or unified adjustment of gain, AGC, EQ, and other audio parameters for each conference unit, ensuring clear and stable speech reproduction. The system also supports Dante, Bluetooth audio input, USB sound card, USB recording, sign-in, voting, tea service request, and fire alarm linkage. With an open SDK, it can be seamlessly integrated with third-party platforms and central control systems, making it ideal for government meeting rooms, corporate conference rooms, multifunction halls, and other smart conferencing applications.



All-IP Architecture

Hybrid Wired & Wireless Access

Camera Tracking

Low-Latency HD Audio

MAIN FEATURES

- **All-IP Architecture:** Built on an all-IP network architecture, it supports web-based visual management and cross-platform operation, enabling real-time monitoring of device status and conference speaking activity for improved system management efficiency.
- **Hybrid Wired and Wireless Access:** Supports hybrid networking of wired and wireless conference units, with up to 128 units connected to a single system, meeting the flexible deployment needs of meeting rooms of different sizes.
- **Flexible Topology Deployment:** Supports star, daisy-chain, ring, and other topology modes, which can be freely combined according to on-site cabling conditions, balancing installation flexibility and system reliability.
- **High-Quality Low-Latency Audio:** With 48 kHz high-quality audio transmission, the system delivers low latency and clear, natural sound, meeting the demands of professional conference reinforcement and speech applications.
- **Camera Tracking and Central Control Integration:** Supports PTZ camera preset linkage and multiple central control protocols, enabling speaker tracking, device control, and coordinated conference system management.

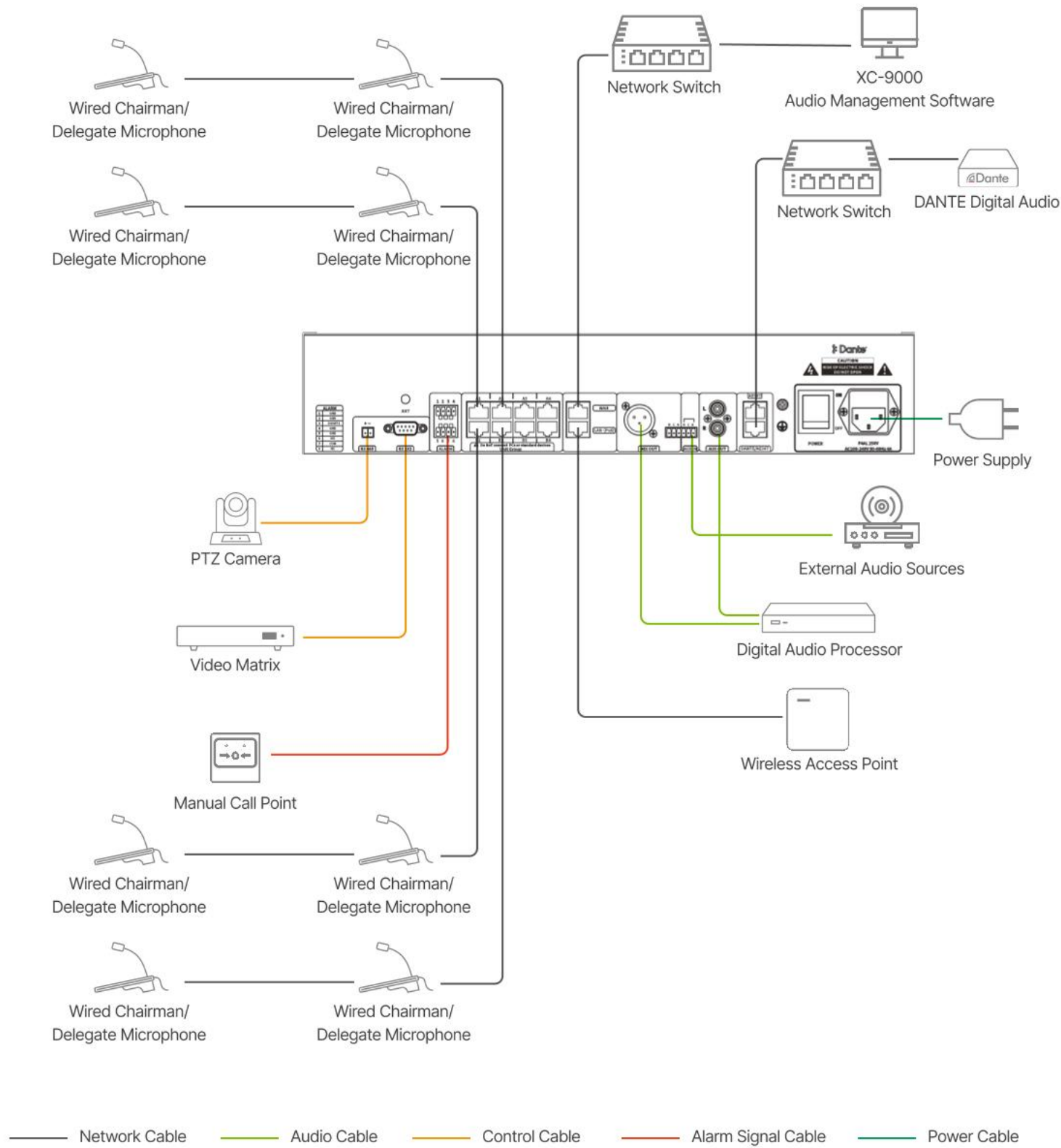


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PARAMETERS:

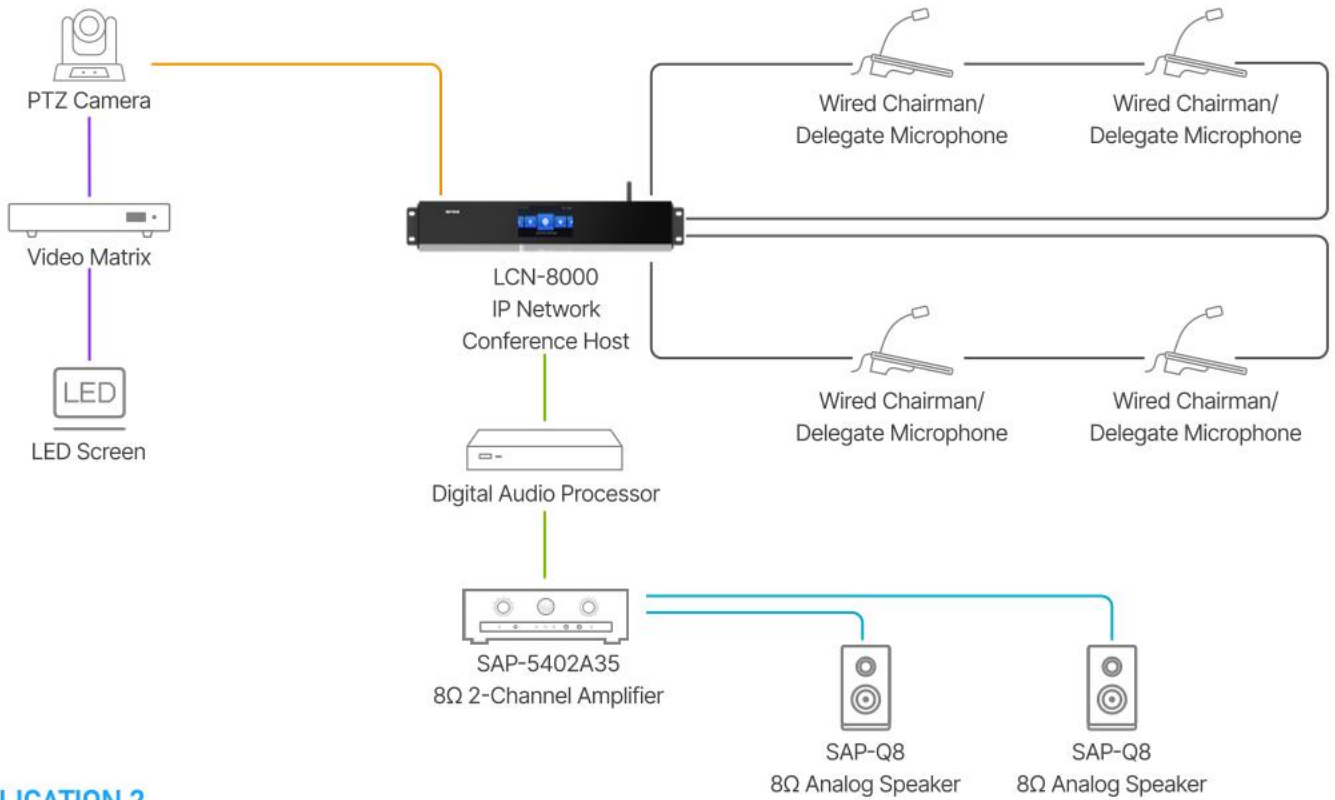
Input Voltage	100V~240VAC, 50/60Hz
Standby Power Consumption	<10W
Display	4.3" Touch Screen
Resolution	480 × 272
WAN Port	1 × RJ45
LAN Port	1 × RJ45 (supports PoE and wireless repeater connection)
Network Speed	100Mbps
Conference Unit Port	8 × RJ45
Audio Input	1 × Phoenix Balanced Input
Audio Output	1 × Phoenix Balanced Output
Audio Output	1 × XLR Balanced Output
Audio Output	1 × RCA Stereo Line Output
Dante Audio Interface	1
Dante Audio Channels	2 × 2
USB Port	1
RS232 Serial Output	1
RS485 Communication Port	1
Control Input	1
Control Output	1
Frequency Response	40Hz~18kHz (-3dB)
THD+N	0.05%
Signal-to-Noise Ratio	>83dB
Mounting Type	Rack-Mounted
Dimensions	483 × 281 × 88 mm
Package Dimensions	540 × 400 × 180 mm
Net Weight	3.1kg
Gross Weight	5.0kg
Color	Black
Operating Temperature	0°C~45°C
Operating Relative Humidity	≤90% (non-condensing)
Warranty	2 Years

CONNECTION DIAGRAM



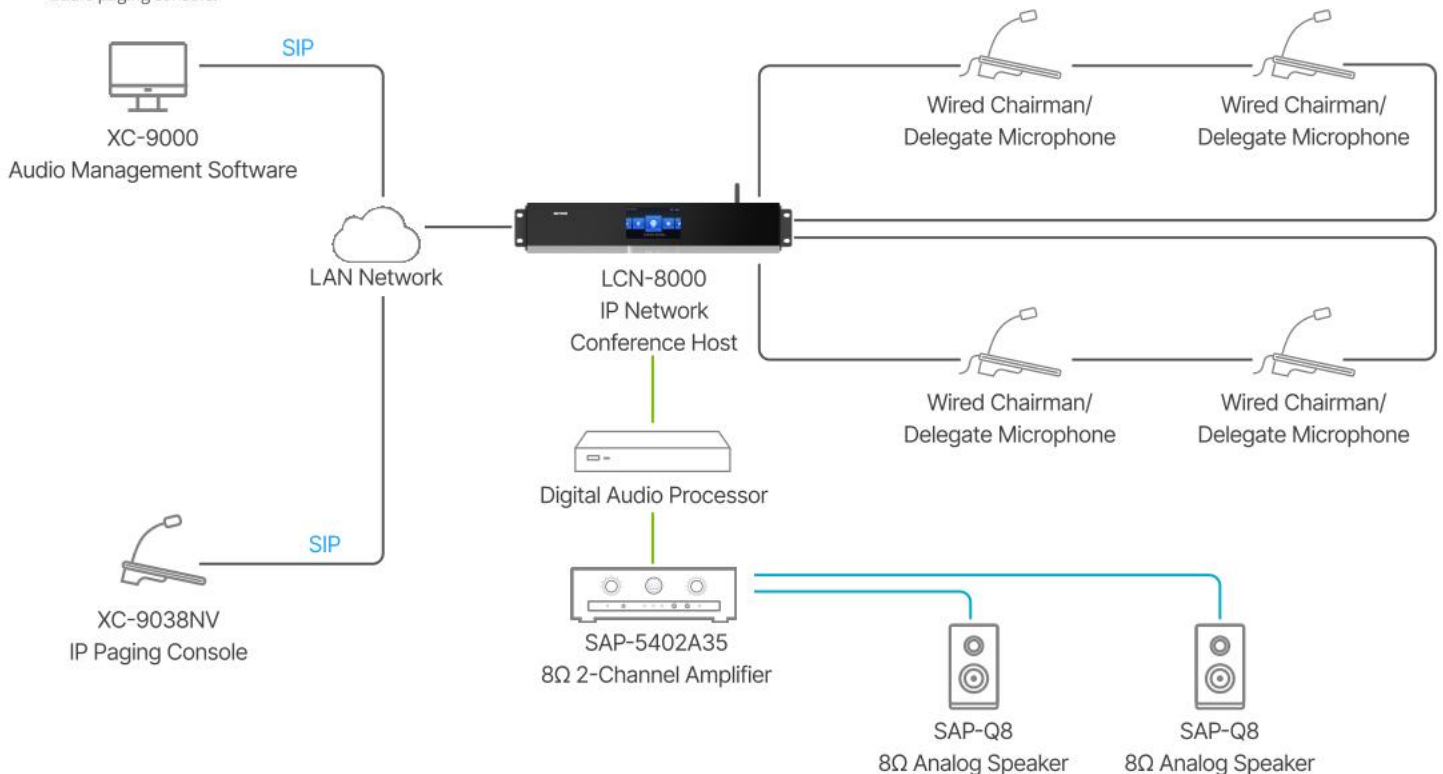
APPLICATION 1

The Conference central unit LCN-8000 supports connecting with the chairman unit and delegate unit for local conferences; also, it provides an audio output interface to realize local conference sound amplification. Meanwhile, it supports connecting with an HD conference camera for video tracking of conference presentations.



APPLICATION 2

The Conference central unit LCN-8000 supports receiving broadcasts from management software or the IP audio paging console; also, it supports making two-way intercom with the IP audio paging console.



DIMENSION

