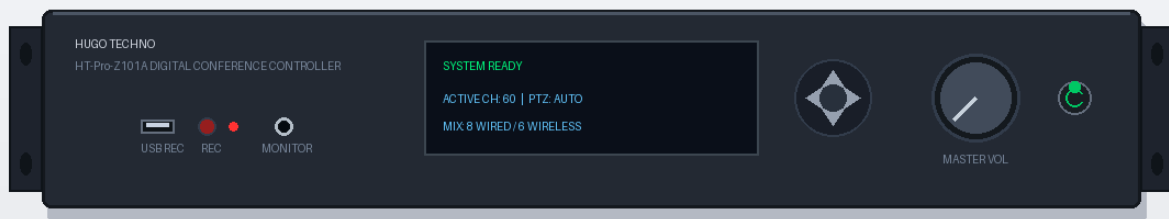


HT-Pro-Z101A

INTELLIGENT DIGITAL CONFERENCE CONTROL UNIT

The HT-Pro-Z101A serves as the primary processing brain of advanced audio ecosystems. Designed for demanding enterprise environments, it flawlessly manages up to 60 individual channels while offering robust built-in DSP matrixing, active speaker PTZ tracking, and seamless integration for wired and wireless conference networks.



KEY INNOVATIONS

Advanced DSP Architecture

Natively handles complex audio matrixing, multi-band equalization (EQ), precise volume leveling, and delay adjustments for pristine sound reproduction.

Versatile Microphone Routing

Supports robust routing logic including Open, NORMAL, VOICE, and FIFO modes. Actively mix up to eight (8) wired and six (6) wireless microphones simultaneously.

Automated Camera Tracking

Built-in intelligence supports PTZ camera control protocols, enabling automated "look at me" active speaker tracking across the entire conference space.

Direct USB Archival

One-touch direct audio recording to an external USB flash drive, complete with an active LED status indicator for immediate and secure meeting archival.

TECHNICAL SPECIFICATIONS

Acoustic & Processing Performance

Channel Capacity	Manages a minimum of 60 individual channels
Frequency Response	20 Hz to 20 kHz
Dynamic Range & SNR	Dynamic Range > 90 dB SNR > 85 dB(A)
Total Harmonic Distortion (THD)	< 0.05% for ultra-clean audio fidelity
Simultaneous Mixing	Up to 8 wired microphones and 6 wireless microphones

Front Panel & Localized Control

Display & Navigation	High-contrast LCD display with a 4-way tactile navigation button and master volume control knob
Archival & Monitoring	Dedicated USB interface with physical record button and active LED indicator. Standard headphone output for private monitoring.

System Backplane & Interconnectivity

Analog Audio Inputs	Two (2) balanced Phoenix terminals, One (1) RCA line-in
Analog Audio Outputs	One (1) XLR line-out, One (1) RCA line-out, Six (6) Phoenix connector outputs (output load > 1KΩ)
Digital & Control Interfaces	One (1) RJ45 for PC management, One (1) RJ45 for Wireless AP, Two (2) RS-232 serial ports, One (1) Phoenix connector for camera control keyboard
System Expansion Ports	Two (2) RJ45 digital audio connections, Two (2) RJ45 ports for routing to chairman units, delegate units, and translation hubs

Power Architecture

Power Consumption	Highly efficient internal supply: <= 30 Watts during static operation, capped at 150 Watts maximum output load
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