

Fully Digital Conference System Controller

Main Controller

Model: CLA-CON10CU



SUMMARY

Introducing the **Intelligent Wired Digital Camera Tracking & Discussion Conference System**—a next-generation solution that seamlessly integrates advanced digital processing, network connectivity, and high-fidelity audio technology into one powerful platform. Designed for modern conference environments, it combines intelligent camera tracking with robust discussion management, delivering a smooth, efficient, and highly interactive meeting experience. With its ability to connect effortlessly to intelligent central control systems and video conferencing platforms, this system provides a comprehensive, scalable solution for organizations seeking reliability, clarity, and productivity in their conference engineering. By merging cutting-edge digital innovation with practical functionality, it sets a new benchmark for professional communication systems.

FEATURES

❖ Next-Generation Digital Conference Technology

Built on advanced digital network architecture with a high-performance CPU processor, ensuring faster processing speed, superior sound quality, and seamless support for discussion and video tracking functions.

❖ Stable Power & Transmission

Equipped with a high-performance switching power supply, guaranteeing long-distance transmission without any loss in sound quality.

❖ Interference-Free Operation

Anti-interference circuit design eliminates disruptions from mobile phone signals, ensuring crystal-clear communication.

❖ Intuitive Display & Control

3.5-inch full-view IPS TFT screen provides an easy-to-use interface for quick parameter adjustments and system monitoring.

❖ Seamless Recording

Supports USB recording with high-fidelity WAV format output, preserving every detail of the meeting.

• Scalable Connectivity

- 3 groups of 6-channel RJ45 microphone interfaces (up to 60 units).
- channels of 8-core microphone interfaces (up to 120 units).
- Expandable to 256 units per host, and up to 1200 units with extension hosts.
- “Hand-in-hand” connection mode with hot-plugging for easy installation and maintenance

❖ Flexible Conference Modes

Multiple modes including FIFO, APPLY, FREE, LIMIT, and VOICE control, with customizable speaker and time limits. Chairman unit remains unrestricted.

❖ Built-In Service Functions

Participants can request services such as tea, stationery, or assistance directly through the system.

❖ Network-Based Management

TCP/IP interface allows collaborative management via LAN, compatible with Microsoft Windows and other operating systems. Supports wireless router connectivity for flexible control.

❖ **Comprehensive Camera & Video Integration**

- RS232/RS485 interfaces for SD/HD cameras, supporting SONY VISCA and PELCO P/D protocols.
- Video switching via RS232 interface for HD video matrix.
- Optional 4x1 HDMI HD video switching interface.
- Central control integration via RS232 interface.

❖ **Professional Audio I/O**

- 1 balanced audio output (XLR) for sound reinforcement or recording.
- 1 unbalanced audio output (6.35mm).
- 1 unbalanced audio input (RCA) for external signals such as background music or remote voice.

❖ **Compact & Practical Design**

Standard 19-inch rack-mountable cabinet installation for convenient storage and professional integration.

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SPECIFICATIONS

Model No.	CLA-CON10CU
Power supply	AC110V-220V/50Hz
Frequency response	20Hz-20kHz
S/N ratio	>96dBA
T.H.D	<0.05%
Recording connector	USB x1
Input connector	DIN-8 x4 RJ45 x 3 (group)
Central controller connector	RS-232 (3P connector x 1)
Camera switch connector	RS-232 (3P connector x 1)
Camera control connector	6P connector
Computer connecting	USB x 1 RJ45 x 1
Audio input	RCA (unbal) x 1
Audio output	XLR (bal) x 1 6.35mm (unbal) x 1 RCA (unbal) x 3
Size (L×W×H)	483 × 265 × 88 mm
Color	Black
Installation	19Inch standard cabinet

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DIMENSIONS (mm)

