

Wired Digital Conference System Controller

Central Control Unit

Model: CLA-CON20CU-M6



SUMMARY

The digital conference central control system combines digital signal processing with a laminated TFT touch screen for intuitive, computer-free setup and efficient installation. It supports up to 76,800 units with flexible connection options through multiple extended power supply and offers eight versatile conference modes. High-fidelity audio with Digital processing features ensures clear sound, while built-in functions include internal communication, camera tracking, electronic voting, and web-based control. Extended Digital protocol audio output provides seamless integration with other devices, making it a powerful solution for modern large-scale meetings.

FEATURES

- ❖ **Advanced Digital Processing**
Utilizes DSP/DDOV digital processing and transmission technology, fully compliant with IEC60065 international standards.
- ❖ **Output interface**
Equipped with 8-channel unit output interface, including 6-channel 8-core and 2-channel RJ45 network interface (can be 8-channel RJ45), supporting the connection of 240 units.

The system capacity is 76,800 units, supporting various connection methods such as ring hand-in-hand, one-line, junction box, and T-type through multiple extended power supply units.

- ❖ **8 conference modes**
Equipped with eight conference modes: first-in-first-out, last-in-first-out, quantity limit, chairman permission (application for speech), voice control start, time-limited speech, queued speech, and free discussion.
- ❖ **Audio transmission technology**
Adopting high-fidelity lossless audio transmission technology, 48KHz audio sampling frequency, frequency response of 20Hz-20KHz.
- ❖ **DSP digital audio**
Built-in digital audio module, with adaptive feedback suppression, digital equalizer, automatic gain function, to eliminate interference, distortion, crosstalk and other phenomena to the greatest extent.
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❖ **Communication and conference service function**

Built-in multi-channel internal communication and conference service function, the conference host can receive conference service request information sent by the conference unit.

❖ **Camera tracking function**

Built-in camera tracking function, supports PELCO-D, PELCO-P, SONY, SAMSUNG, tracking host and other protocols, with the ability to adjust, save, and call preset positions.

❖ **Electronic voting**

Built-in electronic voting function, with data management functions such as sign-in, voting, election, and scoring.

❖ **Web page control**

Supports extended web page control function and can be accessed through a browser to set and adjust various conference functions without installing the program.

❖ **Digital protocol audio**

Supports extended Digital protocol audio output and can communicate with other Dante audio devices for voice.

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SPECIFICATIONS

Model No.	CLA-CON20CU-M6
Processing Technology	DSP / DDOV Digital Processing
Panel & Display	Mohs hardness, 4.5" TFT full-fit touchscreen, intuitive GU
Processor	1.4GHz main frequency, 1G memory, fast operation speed
Video bandwidth	150 MHz (-3dB), fully loaded
System Capacity	Supports up to 76,800 units with ring, one-line, junction box, T-type connections with extended power supply
Conference Modes	FIFO, LIFO, quantity limit, chairman permission, voice control, time-limited, queuing, free discussion
Speaker Settings	1–20 speakers, unlimited chairman & VIP units, unrestricted free discussion
Audio Quality	Lossless 48KHz sampling, 20Hz–20KHz frequency response
Audio Processing	Adaptive feedback suppression, digital EQ, automatic gain control
Dual-Machine Hot Backup	Backup host auto-takes over if primary fails
Camera Integration	Supports PELCO-D, PELCO-P, SONY, SAMSUNG protocols, preset adjustment

Camera Control	RS-232 & RS-485, series/parallel connections
Video Support	Connects 4no. HD cameras (Optional)
Audio Output	RCA×4, XLR×1, 6.35×1
Audio input	RCA×2, XLR×1
output impedance	47 K Ω
Dynamic range	106dB
Reset Function	One-key reset to factory settings, prevents parameter tampering
Power Supply	AC100V–240V with voltage stabilization for safe, stable operation