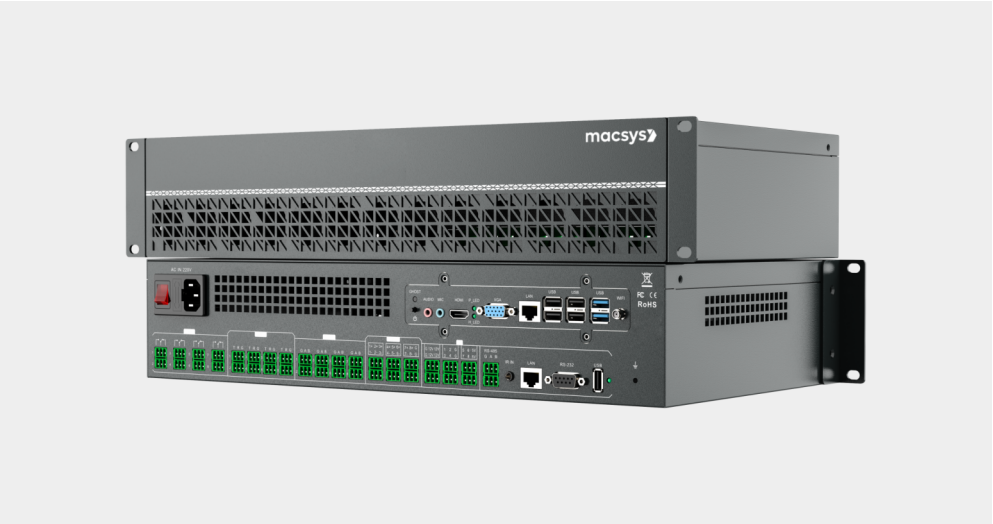
CENTRACON-1000 | Smart Room Central Controller with Interface



Key features

- Video Preview: Supports up to 4-way video preview.
- Programmable Server: Built-in WEB programmable server function.
- Open Control Platform: Utilizes an open programmable control platform.
- User-Friendly Interface: Features a user-friendly operation interface. (ie. Tablet, Mobile, PC)
- Interactive Control: Employs an interactive control structure.
- Digital Conference Integration: Seamlessly connects with digital conference system.

Product Overview

Introducing the Macsys CENTRACON-1000, an advanced central control interface Device. This sophisticated control host is the core of a distributed programmable system, designed to streamline and enhance the management of various audio-visual and environmental devices.

The CENTRACON-1000 supports up to 4-way video preview, enabling simultaneous monitoring of multiple video feeds. It features a built-in WEB programmable server function, allowing for flexible, remote configuration and control via an intuitive open programmable control platform. The user-friendly interface and interactive control structure ensure seamless integration with digital conference systems and other connected products.

The device includes a comprehensive suite of control interfaces: 8 RS-232, 8 RS-485 ports for versatile serial communication, 8 digital I/O ports, and 8 weak relay ports for managing environmental equipment such as projection screens, curtains, and lighting. Additionally, it offers 8 IR infrared transmitting ports for remote control of devices and an IR learning interface for saving and managing infrared data.

Connectivity options are robust, with 1 RJ-45 interface for remote control via UDP client, 1 USB 2.0 interface for setup and network upgrades, and an extra RS-232/485 port. The CENTRACON-1000 also supports device interface expansion and cascade control, making it adaptable to complex and scalable setups.

Perfect for professional applications including video surveillance, multimedia conferences, and visual scheduling meetings, the CENTRACON-1000 delivers high functionality and ease of use, making it an essential tool for effective and efficient audio-visual management.

Technical Specification

Feature	Details
Video Preview	Supports up to 4-way video preview
Built-in Server	4-Core CPU 1.5 GHz, 4 GB RAM, 32 GB Flash Storage
Programmable Server	Embedded programmable WEB server; remote access
Control Platform	Open programmable control platform
User Interface	User-friendly interface (Tablet, Mobile, PC)
Interactive Control	Interactive control structure
Digital Conference	Seamlessly integrates with digital conference systems
RS-232/RS-485	8-RS232, 8-RS485 routes each; configurable baud rate up to 115200 bps for sending and receiving
Relay Ports	8-way, Phoenix type, rated 30V 10A weak relay ports for device control
Digital I/O	8-way; supports rising, falling, high level trigger modes
IR Sending Ports	8-way IR transmit ports
IR Receiving Port	1-way IR learning receiver
Interface Control Ports	RJ-45 LAN (1), USB 2.0 (1×, upgrade), RS-232 (1), RS-485 (1)
Control Server Ports	1 X HDMI, 1 x VGA (Server Display) 4 x USB (Connect USB Keyboard, Mouse, USB Drive for Upgrade) 1 x LAN (Network / Device Control) 1 x MIC in (Audio In) 1 x Mic Out (Audio Out) 1 x RS232 (Diagnostics/Programming) above port for initial setup and device accessibility use except LAN
Expansion	Supports interface expansion and cascade control
Power Supply	AC 220V
Operating Temperature	-20°C to +70°C
Humidity Range	10% to 90%
Software Functions	Project Editor, Command Generator, Management Center
Operating System	Linux OS
Command Types	IR, RS232, RS485, Relay, IO, ASCII, HEX, Scenes, Device reboot, Factory restore

Feature	Details
Supported Protocols	IP, UDP, TCP, TCP Client/Server
User Management	Admin and Ordinary users, privilege control, face login
Certifications	CE, RoHS compliance

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