

# SC-CU100E

## Control Box

Model Number:#060924100147



### Features

- Easy to create project, control and manage the system
- HTTPS, SSH security compatible
- Built-in Web GUI control interface, supporting Drag & Drop operations
- Support image preview
- Support video, audio, RS-232, IR, KVM control and management of the distributed system
- Dual network ports (VIDEO LAN port supports POE function) to isolate
- Controls and Multicast networks
- Support LAN/RS-232 port control and third-party central control
- Support IR signal receiving (3.5mm audio jack, 12V level)
- 4 channel GPIO control ports (5V/12V optional level)
- Multiple circuits protection, lightning protection and ESD design
- Reliable system design, ensuring 7\*24 hours reliable and stable work

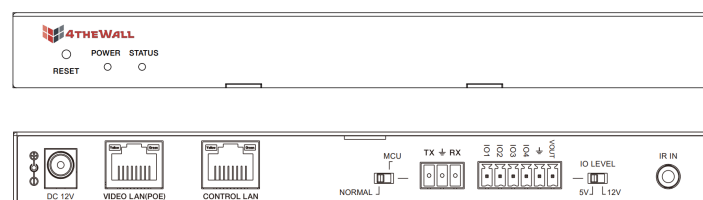
### Product Overview

The 4TheWall SC-CU100E Control Box is a robust and versatile solution designed to control and manage H.264/H.265 IP-based video distribution systems. With dual 100M network ports, it offers dual-network isolation for control and multicast video distribution networks, ensuring optimized performance and enhanced security. This controller is ideal for large-scale AV installations that require centralized management, security, and reliability.

- **Control and Manage IP-Based Systems:** The controller is designed to easily create projects, control, and manage H.264/H.265 IP video distribution systems, streamlining complex AV setups.
- **HTTPS and SSH Security Compatible:** Supports HTTPS and SSH protocols, ensuring secure communication and control in networked environments.
- **Built-in Web GUI with Drag & Drop Operations:** Features an intuitive Web GUI control interface that allows for drag-and-drop operations, making it easy to configure and manage devices within the network.
- **Supports Multiple Control Protocols:** Offers control over video, audio, RS-232, IR, and KVM for comprehensive management of the distributed AV system
- **Dual 100M Network Ports:** Equipped with dual network ports (VIDEO LAN port supports POE), enabling isolation of control and multicast video distribution networks for enhanced system performance and security.
- **Supports Wide-Band 12V IR Signal Receiving:** Includes IR signal receiving capabilities (3.5mm audio jack, 12V level) for seamless integration with remote control systems.
- **4-Channel GPIO Control Ports:** Provides 4-channel GPIO control ports (5V/12V optional level) for additional flexibility in controlling external devices.
- **24/7 Reliable System Design:** Built for continuous, round-the-clock operation, ensuring reliability and stability in mission-critical AV environments.

### Applications

- **Corporate and Commercial AV Networks:** Ideal for centralized control of complex AV setups in corporate environments, such as conference rooms, lobbies, and offices.
- **Broadcast and Media Production:** Perfect for managing video distribution and control in broadcasting stations, studios, and media production facilities.
- **Educational and Training Facilities:** Suitable for campuses and training centers that require centralized control of distributed AV systems across classrooms, auditoriums, and digital signage.
- **Hospitality and Entertainment Venues:** Excellent for hotels, casinos, and entertainment centers needing reliable and secure control over multiple IP-based video systems.



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### Technical Specifications

Input and Output	
Control Ports	2 x 100M LAN [RJ45 connector] [VIDEO LAN support POE] 1 x IR IN [3.5mm audio jack, 12V level] 1 x DIGITAL I/O [6-pin 3.81mm phoenix connector] 1 x RS-232 [3-pin 3.81mm phoenix connector]
General Features	
Network Bandwidth	100M
Transmission Distance	100m (CAT5E/6/6A/7)
Management Features	
Management and Control	RS-232, TCP/IP, Web GUI
Others	
Power Connection	12V/1A
Working Temperature	0°C ~ 40°C / 32°F ~ 104°F
Humidity Range	20 - 90% RH (no condensation)
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Dimensions	204mm × 98.5mm × 21.5mm - Width/Depth/Height, Metal Enclosure
Weight	0.509kg
Power Value/Consumption	4.5W
Mounting	1U Rack Mount
ESD Protection	±8kV (Air-Gap Discharge) & ±4kV (Contact Discharge)
Certifications	
EU/USA	CE/FCC/UL
Package Details	
Package Contents	1 x SC-CU100E Control Box 1 x 20kHz-60kHz 12V IR Receiver Cable (1.5 meters) 1 x 3-pin 3.81mm Phoenix Connector (Male) 1 x 6-pin 3.81mm Phoenix Connector (Male) 2 x Mounting Ears 4 x Machine Screws (KM3*6) 1 x 12V/1A Locking Power Adaptor 1 x User Manual