



SV-MCU300 SDM Distributed Multimedia Information Interaction

Multi-point Control Center



Product description

The SDM distributed multimedia information interaction multi-point control center receives the control instruction from the touch screen, executes the built-in user program, and then sends the card control code to each distributed unit through the UDP protocol. The open Internet platform is easy to access various sensors and actuators. The distributed multimedia information interactive management system will be very simple to connect with the ever-changing Internet of Things and Internet, which is conducive to improving the level of engineering design and meeting the most modern needs of users.

Functional features

1. Distributed cloud central control function. The SDM distributed multimedia information interactive management system can be equipped with multiple SDM multi-point control centers to form a central control cloud. If any SDM multipoint control center has an accident, other multipoint control centers can seamlessly take over the control authority, including the seamless connection of human-computer interface status, historical actions, etc.
2. C-like language programming, greatly enhanced processing capability. Based on full string processing, various communication protocols can be written flexibly to adapt to various control devices, and many functions that can not be realized by traditional central control are solved.
3. Memory: 512M (DDR2), CPU: 32-bit embedded CPU, 1GHz; User storage space: 1G, RS 232:1, visual video debugging and monitoring: 1 HDMI, infrared learning port: 1, input I/O port: 8 terminal blocks, with protection circuit, supporting 0-5V digital input signals, network interface:1;
4. Cross-platform multi-operation terminal real-time synchronous interface feedback (one touch screen operation, real-time feedback on several other touch screens, truly achieve collaborative operation).
5. Dual redundant hot backup, the main system will automatically switch to the standby system to continue working after failure, effectively ensuring the lossless and efficient operation of the system; (support multiple control nodes to form a control cloud in the LAN to achieve undetected hot backup).
6. Through the multi-point control center of the system, various States of the unit can be obtained, such as the lamp duration of the projector, third-party operation information of external equipment, etc., which can be fed back to the screen and software in any format, greatly facilitating the maintenance of the system;
7. The powerful logic computing capability of SDM distributed multimedia information interactive multi-point control center can easily become the strongest brain of intelligent campus, intelligent home, intelligent exhibition hall and building automation through in-depth design and



targeted programming, which is convenient for comprehensive management of various large-scale intelligent control networks;

8. Visual HDMI high-definition debugging output interface, connected to the display screen to display the operation status of the multi-point control center in real time, simplifying the debugging process;

9. The bidirectional control link is used together with the SDM unit to easily realize control and read the running status of each distributed unit in real time. Through programming, interactive fault detection mechanisms such as distributed unit fault alarm can also be realized.

10. Due to the powerful string processing capability of the SDM distributed multimedia information interaction multi-point control center, it is very convenient to match various sensors and has a more intelligent control experience;

11. No less than 8 input and output IO interfaces, which can be connected to various induction detectors, and can be expanded arbitrarily with the control unit, especially suitable for smart home security system and automatic induction trigger system of smart exhibition hall;

12. One or more of RS232/RS485, IO, infrared and network signals need to be transmitted, and only one network cable needs to be laid, with simple wiring and low cost;

13. Support multiple control modes such as PC terminal, IPAD, Android touch screen, wall panel light control, and support IE browser (without WEB server);

14. With the function of cloud storage platform, you can view, store, download and restore at least the first 10 programs at any time;

15. The installation method of 1U rack is adopted, only one network cable connected to the switch is needed, the power supply can be operated normally immediately, and the construction is simple;

Technical parameters

Memory	512M (DDR2)
CPU	32-bit embedded CPU, 1GHz
User storage space	1G
RS232	1
Visual video debugging monitoring	1 HDMI
Infrared learning port	1 infrared learning port
Input I/O port	8 terminal blocks with protection circuits for 0-5V digital input signals
Network interface	1
External power supply	AC220V50Hz
Storage temperature	0-55°
Operating temperature	35°-55°
Operating relative humidity	20%-90%