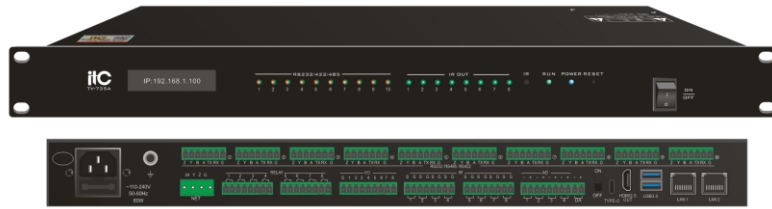




Visual management central controller TV-735A

Embedded software: distributed central control system logic processing embedded software V2.0



Description

It is a distributed central controller developed based on an embedded platform, which can realize intelligent network control. It is suitable for the unified intelligent control and exhibition of multiple conference rooms or multiple venues. With visual management, it is suitable for command centers, lecture halls, exhibition halls, multifunctional hall and other places.

Feature

- * Embedded with the latest 64-bit processor, it can reach up to 1.5GHz processing speed.
- * With 2 Gigabit network ports, it supports various local and remote control methods and further realize network control.
- * Support B/S architecture, support IOS, Android and other mobile platforms and PC visual touch control;
- * With decentralized architecture, there is no server in system, supports distributed deployment architecture, and the control interface can be expanded according to needs;
- * Support programmable control platform. The system supports audio, video and peripheral equipment control on one platform software. Drag-and-drop operation can achieve human-computer interaction function, and supports one-click linkage control function between multiple devices;
- * Support system control and management of venue lights, curtains, audio volume, paperless and other systems;
- * Support independent and unified control and management of multiple conference rooms through the management platform, support real-time tracking of conference cameras, support the control of pan-tilts and dome machines of various brands, and support linkage control of cameras by conference controller;
- * Support power control for LED display, projectors, intelligent interactive flat panel and other equipment;
- * Support remote control of the computer switch function, support the system to connect with the computer through the relay port, and realize the switch machine management;
- * Support LED display splicing control, and can zoom in, zoom out, move, and close the video window in real time. Also support echoing on the touch screen, preview content and LED display content synchronization, including supporting infrared learning and emission;
- * Support assigning different permissions, setting up different login accounts, and support two-way feedback function;
- * Support diversified control of third-party equipment in the command center. The controller supports 2 Gigabit network ports, 10 RS232, 10 RS485/RS422 (supports Modbus protocol), 8 IR (embedded intelligent infrared learning function module), 8 weak relays, 8 input and output I/O interfaces, 4 analog input interfaces, 1 analog output interface, 1 DMX512 lighting control interface, with DC24V@1.1A output, supports docking with third-party equipment;
- * Equipped with a 2.23-inch (128x32) OLED display, which can display the terminal IP and operating status in real time;
- * Support two-way feedback, which can display temperature, humidity, PM2.5 and surrounding environment status;
- * Support fast online batch upgrade through the server, support automatic recovery from abnormal power outages, and support one-click reset dynamic IP function;
- * Equipped with visual HDMI high-definition debugging and monitoring interface and USB mouse and keyboard interface to facilitate flexible management of the system;
- * Equipped with a pluggable hard disk that can record operation logs and running logs;
- * The intelligent device control unit supports the system 1+1 hot backup, and the function of automatic switching in case of failure;
- * It adopts embedded hardware architecture. It can run continuously 7×24 hours, which is stable and reliable.
- * All-standard environmentally-friendly power supply (AC100V-240V). It can be used all over the world.



Splicing Controller TV-735A

Embedded software: distributed central control system logic processing embedded software V2.0

Specification

Processor	4-core Cortex®-A55
RAM	Onboard 8GB eMMC Flash
Memory	4GB LPDDR4 memory
Internet	2 x LAN, 10/100/1000Mbps (LAN1 main data interface, LAN2 for dual service backup function)
USB3.0	2x USB3.0
HDMI 2.0	Visual HDMI high-definition debugging monitoring interface
TYPE-C	Debug interface
ON/OFF	Server function DIP switch
Analog	4 x AD (0~5V) , 1 x DA (0~10V)
Infrared emission	8 x IR infrared transmitting port, transmitting carrier wave 38KHz, supporting up to 1.142MHz
I/O port	8 independent programmable, definable input/output control ports
Relay	8 channels, the voltage can be AC 125V/1A or DC 30V/2A
NET	1 x DMX512 with DC24V@1.1A output
COM	10 x RS232+10 x RS485/RS422 (programmable)
OLED	2.23-inch (128x32) OLED display
RS232/422/485	10-way COM two-color signal indicator light, green is the indicator light for sending signal, and red is the indicator light for receiving signal
IR OUT	8-way infrared sending indicator light
IR	1 x IR IN port, infrared learning sensor, carrier 38KHz
RUN	System running indicator light
POWER	Blue power indicator light
RESET	Reset button
Packaging method	Metal cabinet, support rack installation
Power supply	AC100-240V , 50-60Hz
Temperature	Working temperature: -10°C ~ 45°C Storage temperature: -20°C ~ 60°C
Power consumption	50W
Dimension (L×W×H)	484*206*45mm
Weight	2.7Kg