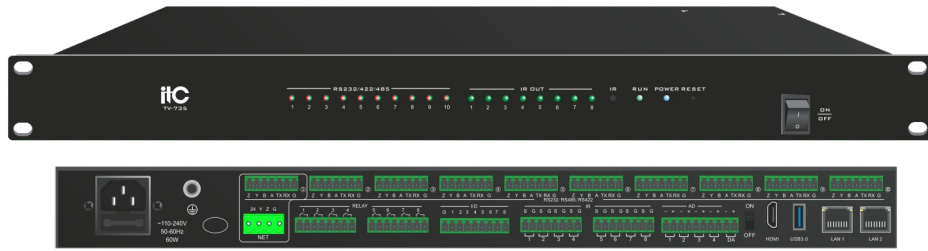# Splicing Controller

Distributed Central Control System Logic Processing Embedded Software V2.0

TV-735

Description

It is an intelligent equipment control unit 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 splicing system, it is suitable for command centers, lecture halls, exhibition halls, multi-functional hall and other places.

Feature:

* Adopt 64-bit quad-core A35 embedded processor, the main frequency is up to 1.2GHz;
* With two gigabit network ports, it supports local and remote control methods, and can realize full network control;
* Support B/S architecture, support mobile platforms (such as IOS, Android, etc.) and PC visual touch control;
* The entire system has no server, with decentralized architecture, and supports distributed deployment architecture. The control interface can be expanded indefinitely according to needs;
* Support programmable control platform, support audio, video and peripheral equipment control centralized on one platform software. Drag-and-drop operation achieves human-computer interaction function. Support one-key linkage control function among multiple devices;
* Support the control and management of the lighting, curtains, audio volume, paperless and other systems of the venue;
* Support real-time tracking of conference cameras and control of pan-tilt and dome cameras of various brands;
* Support power control of video wal, projectors, integrated machines and other equipments;
* Support video wall splicing control, real-time zoom in, zoom out, move, and close of the video window. It can also achieve echo on the touch screen, and the preview content is synchronized with the video wall content, including matched infrared learning and emission;
* Different permissions and login accounts can be set, with two-way feedback function;
* Support diversified control of third-party equipment. The controller supports 20 serial ports, 10 RS232, 10 RS485/RS422 (support 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, and 1 DMX512 lighting control interface, with 24V output; support for docking with third-party equipment;
* Support two-way feedback, which can display temperature, humidity, PM2.5 and surrounding environment status;
* Visual HDMI high-definition debugging output interface, connected to the display screen to display the running status in real time, simplifying debugging process, reducing difficulty of debugging, and facilitating system programming control;
* With a pluggable hard disk, which can record operation logs and running logs;
* The intelligent equipment control unit supports the system 1+1 hot backup and automatic failover function;
* Adopt embedded hardware architecture, which is stable and reliable, and can run continuously 7×24 hours.
* Full-standard environmental protection power supply (AC110V-240V), suitable for any area.

Specification:

Model	TV-735
Processor	4-core Cortex®-A35
Storage	Onboard 16GB eMMC Flash
RAM	3G LPDDR4 memory
Internet	2 x LAN, 10/100/1000Mbps
USB	1x USB3.0
HDMI	1 x HDMI1.3
COM	10 x RS232/RS485/RS422 (programmable)
IR emission	8 x IR emission ports, transmit carrier 38KHz, support up to 1.142MHz
IR receiving	1 x IR IN port, carrier 38KHz
Analog	4 x AD (0~10V), 1 x DA(0~10V)
NET	1 x DMX512
Relay	8 channels, can pass voltage AC 125V/1A or DC 30V/2A
I/O port	8 independent programmable channels, definable input/output control ports
Packaging method	Standard 1U metal cabinet, support rack installation
Power supply	AC100-240V, 50-60Hz
Temperature	Working temperature: -10°C~45°C, storage temperature: -20°C~70°C
Power consumption	60W
Dimension (L×W×H)	484*298*45mm
Weight	3kg