



Intelli i tech

The smart central control system

Control without boundaries



Model No: IAV8

Control device + PC, iOS, android App any device to realize flexible cloud control function.

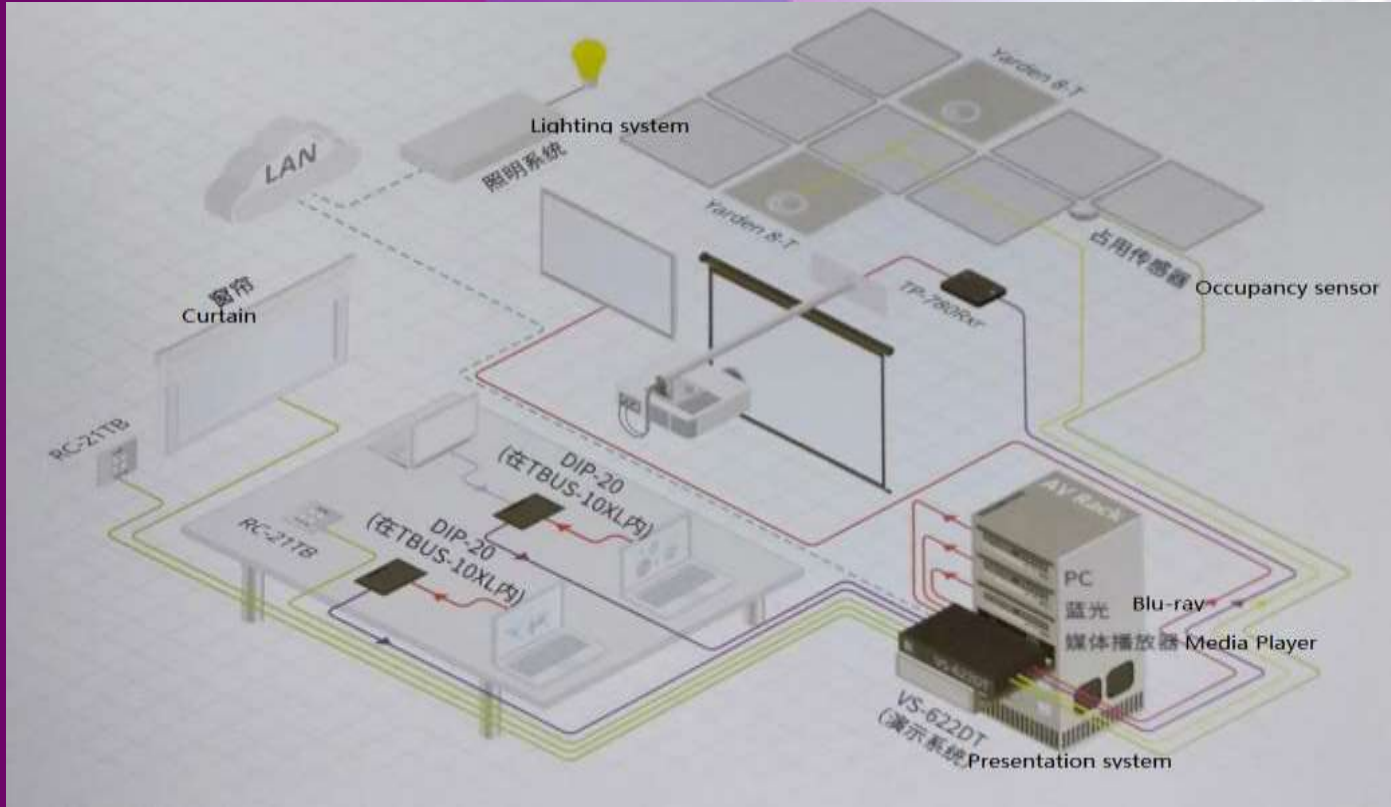
Widely used in offices, classrooms, meeting rooms, multifunctional halls, theaters, concert halls, exhibition halls, stadiums, churches, buildings, administrative centers, industrial automation fields, etc.

Control can be infinitely expanded



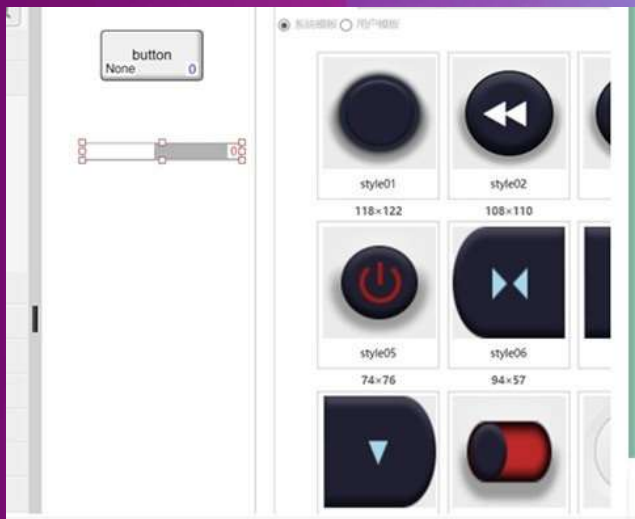
Multiple devices are connected in series, and an unlimited number of devices can be controlled through a gateway

Diagram of conference room control

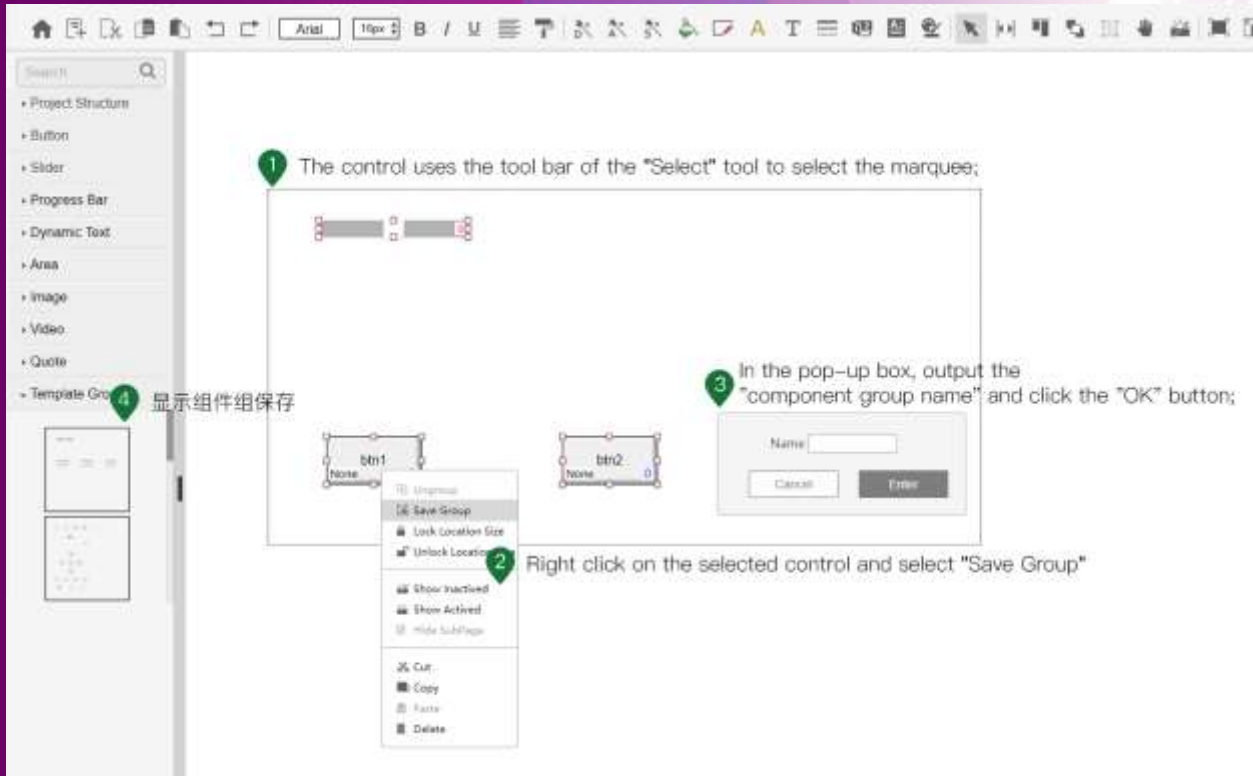


Curtain, lighting system, projector, Amplifier, DSP
audio, alarm all device can be included

Easy use with intuitive user interface.

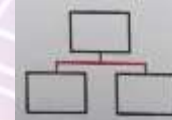
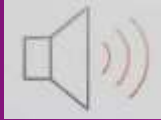


Powerful cloud programming platform, provide UI designers with a broad free design space.



Drag and drop operation, no programming language (people who don't have any programming knowledge, can easily build your own functional modules)

Control any device



1. Audio: amplifier, processor, DSP, audio system, receiver
2. Video: projector, TV, monitor, etc.
3. Automation: lights, curtains, air conditioning, cameras, alarms, security, etc.
4. AV infrastructure: switcher, matrix, converter, amplifier, etc.

CPU : i.MX ARM Cortex-A7 528MHz
operating system : Linux 4.1.15 inner core
Memory : 2GB DDR3 RAM
Flash : 8GB Nand Flash

Interface definition



COM (1, 2, 3)

There are three 7PIN programmable bidirectional composite serial ports, supporting RS-232, RS-422 or RS-485 communication protocol, the maximum transmission rate can reach 115200bps, and supports seven standard rates between 2400~115200bps

The output definition of these 7 PIN ports are not completely standard. For RS-232 mode, Pin 5 is ground (GND), Pin 6 is receiving (RXD), and Pin 7 is sending (TXD). The pins conform to the standard RS-232 definition; For RS-422 mode, the pins are defined as Pin 1 (RXD+), Pin 2 (TXD+), Pin 3 (RXD-), Pin 4 (TXD-), Pin 5 (GND); for RS-485 mode Type, Pin 1 (RXD+) and Pin 2 (TXD+) need to be shorted as D+, Pin 3 (RXD-) and Pin 4 (TXD-) should be shorted as D-, Pin 5 is still GND.

8x IR/serial, 8x relay, and 8x Versi port I/O ports

Interface definition



I/O input:

This port provides a programmable 4-channel dry contact input interface, which is often used for signal acquisition of alarms.

RELAY output:

Eight low voltage relay ports, Each group is independent and isolated, each group can carry a maximum of 1A 30VDC/AC load

INFERARED-SERIAL output:

TL-M3 has 8 groups of ports. Each group can be used as infrared port output or one-way RS-232 output. The left side of each group of two PINs is signal positive and the right side is signal ground. The carrier frequency of infrared output can reach up to 1.2MHz, and the data transmission rate can reach 115K per second. The output amplitude of the one-way RS-232 port is TTL level, that is, the range of 0 to +5V, which may not be suitable for some serial controlled devices

Cloud programming, remote debugging

1. At the same time, it supports online programming on local and cloud platforms, without installing software, directly browsing through Chrome Browser access control host IP address or cloud platform;
2. Remote online debugging, diagnosis, programming, which greatly saves the cost of manpower travel. Professionals can choose to complete the programming online;



Resource sharing, advanced functions



1. Sharing resources on the cloud platform, regardless of self-built modules, macro module grouping, user graphic component groups, can be shared on the cloud platform and form a shared community;

2. Support the control module to compose macro inheritance sharing,
Support user-built functional modules, which can be written in JavaScript, the most popular network scripting language;

3. Industry-standard Ethernet and wired communications, support computer and web-based control, iPhone®, iPad®, and Android™ control app,

4. SNMP remote management support,

5. Front USB option for control console

Arbitrary agreement, free expansion



1. Support multiple network control protocols, in addition to standard Tcp, Udp, Telnet, Http protocols, etc., other general or private network protocols can be added at will;
2. Support any Linux+ platform, can be freely migrated, according to different application needs, the free migration of running packages can be integrated with third-party product platforms;
3. Event scheduling Shall have Native /IP support, should support BACnet and should have Secure access through full user/group management or Active Directory integration, Hardware level security using 802.1X authentication, TLS, SSL, SSH, and SFTP network, security protocols, FIPS 140-2 compliant encryption IPv6 ready, Front panel USB computer console port, 1-space rack-mountable

Note: All specification and image are subject to change without prior notice for the enhancement of the product quality.

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