

PIS Control Unit

The PIS control unit is the core component of the Passenger Information System. It integrates the controllers of subsystems of PA system, PIDS system, and CCTV system. It realizes functions including broadcasting, information display, interfaces with external systems, and monitoring of the status of system devices.

- It adopts a modular design, and all modular devices are installed in a standard 3U industrial chassis.
- It uses the front panel wiring method, which is convenient for installation and maintenance.
- Include power modules, switch, interface modules, broadcast control module, coupled control module, etc., and can be freely combined.
- Two power modules can be set for redundancy.



Technical Parameters

Items	Specification
Audio Sampling Rate	44.1kHz, 16bit, monophonic
Frequency Response	+1dB/-2dB (100Hz ~ 12kHz)
Harmonic Distortion	≤ 1% (100Hz ~ 12kHz)

SNR	≥ 70dB
Power Output	DC24V
Storage Capacity	PA audio: 32GB / 64GB / 128GB / 256GB Data log: 32GB / 64GB / 128GB / 256GB Media: 32GB~4TB
Communication Interface	10M/100M/1000M auto-negotiation Ethernet interface & 10M/100M auto-negotiation Ethernet interface
External Interface	Support MVB / RS485 / RS422 / CAN / dry contact / wet contact
Power Supply	DC24V (-30%~+25%) or DC72V (-30%~+25%) or DC110V (-30%~+25%)
Power	100W
Product Weight	≤ 5kg
Operating Conditions	-25 °C to 70 °C, humidity less than 95% (non-condensing)

*** The device dimensions can be customized, and the actual module configuration scheme shall be determined according to the structure.**