MEGVII HongTu 2000

AIOT Application and Computing All-in-One Device

MEGVII HongTu 2000 series is an all-in-one device with business platform and computing capability for small and medium-size building and campus. The product integrates lightweight server + high performance computing chips as the hardware carrier, equipped with lightweight application, as an all-in-one solution to improve management efficiency, safety and customer experience. Mainly provide cost-effective intelligent comprehensive applications such as smart access, attendance, visitors, VIP welcome.



MegCube-HAL2002-1S2-N0

Product Function

- **Access control management**: Face or Card as authentication methods working with face recognition terminals, it realizes contactless enterprise entrance/exit passage, attendance and welcome services.
- **Visitor Management**: Support visitor H5 self-help appointment, invitee invitation, administrator review.
- **Face Swipe Attendance**: Swiping face realize the attendance management of employees and eliminate cheating.
- **Perimeter Alerting**: Based on the relative positions of people, vehicles and space to achieve early warning under specific trigger conditions.
- **Intelligent Guarding**: Fine management of people, things and objects in the enterprise space, thus guarding the safety of people and property.
- **Safety(via B4H)**: Supervision and management of dress code, safe work and stability of production environment in manufacturing companies
- **Device Management**: Manage Megvii AIoT hardware and realize the system flexibility between algorithms and devices.

Product Highlights

- **All-in-one:** management platform and computing server, software and hardware all-in-one
- **Super algorithm**: built-in 'MEGVII TianYuan' embedded algorithm framework can give full play the computing power, supporting up to 16 video stream AI analysis and over 50 algorithm ability.
- **Stable and reliable**: adaptive fan speed adjustment, easy to cope with high temperature environment.
- **Convenient installation**: 10-inch box, small size, ready to use.
- **Open interfaces**: rich open API interfaces for interfaces for rapid business integration

Application Scenarios



Smart Building



Smart Campus



Smart Factory

Specification

Model	MegCube-HAL2002-1S2-N0
Device Access Capability	
Intelligent Device access	64ch
AI Video Stream	16ch
Face Database	200,000
Business Functions	
One Face Pass	Access control management, attendance management, visitor management, VIP welcome.
Intelligent Analytics	Perimeter alert, Behavior alert, Object detection, People counting, (Work safety, Clean kitchen need work with B4H)
Data Dashboard	Access, Perimeter, Work safety display
Event	Event linkage, handling
System Management	Support for user, role and region settings
System Maintenance	Support operation and maintenance configuration, logging, system upgrade
Hardware Parameters	
Main processor	X86 CPU
Memory	8GB
Data Disk	2T HDD (default factory built-in)
Algorithm chips	1 high performance embedded algorithm chip
Network interface	10M/100M/1000M adaptive Ethernet, RJ45 *2
USB interface	1* USB 3.0 port, 3*USB 2.0 ports
Video output interface	1*HDMI output port
Serial port	2* RS485 ports
Operating temperature	0~45℃
Power supply	12V ± 10% 5A
Power consumption	≤50W
Dimension	229mm * 193mm * 50mm
Weight	≤2.5kg

Contact

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