MEGVII Smart AI Box — MegCube-B4H

MEGVII AI Box (MegCube-B4H series) provides the hardware processing capability of multi-AI algorithms, widely used in building, community, campus and etc. Combining with AI chip + AI framework + AI algorithms, it supports multi-channel AI analysis. When it comes to smart solutions, it can support face recognition access control, person-vehicle management, perimeter protection working with Pangu platform or Hongtu server and etc.

MegCube-B4H04-311-N0
MegCube-B4H16-311-N0

Product Features

Built-in Multi-AI algorithm

Built-in FR, Structured, Perimeter protection and more than *30 AI algorithm*, applied in different scenarios.

High performance AI Meg-engine

AI Computing *over 28.8T, 16ch* AI video stream, *30W* face database.

Flexible integration

Rich REST API and SDK make integration very easy and friendly.

Convenient Deployment

Smart design supporting desktop and wall-mounting. Support RTSP standard protocol video stream for upgrade project.

Application Scenarios

Commercial Building

Smart Campus

Smart Community

Bank

Factory

Gym and Fitness

Bus Station

Museum

Specification

Model: MegCube-B4H16-311

System Parameter	
Main Processor	High performance embedded microprocessor
Operation System	Embedded Linux
CPU	AX 630
Memory	16GB DDR4
Storage	32GB eMMC

Support Device	
Video Decoding Type	H.264/H.265, support maximum 8MP IPC
Video Channel	Up to 16ch

Smart Function	
Face Recognition(16ch)	1. Face-Body binding + Face recognition : up to 16ch 2. Face capture, face recognition, face attribute, body capture, body attribute, face with body, database up to 30w
Video Structured (maximum 16ch)	1. Picture Capture: Face, body, motor vehicle, non-motor vehicle 2. Attribute Output: Face, body, vehicle, non-vehicle 3. Binding Relationship: face-to- person, person-to- non vehicle
Intelligent Alert (Perimeter maximum 16ch, Behavior maximum 10ch)	1. Perimeter alert :personnel crossing the boundary, personnel overturning the wall, personnel intrusion, personnel wandering, personnel on duty/leaving, vehicles crossing the boundary, vehicle parking prohibited, vehicles leaving. 2. Behavior alert: smoking, running, falling, phone call, play mobile phone, sleeping post, gathering, personnel scuffle
Active Report	1. Face capture, face recognition, face attribute results 2. Results and attributes of face human-machine 3. Alert

Interface	
Network	2 x 100M/1000M Adaptive Ethernet RJ45
Alarm Input	4 x Dry Contact
Alarm Output	4 x Dry Contact
Audio Input	1
Audio Output	1
Front USB	1 x USB2.0, 1 x USB3.0
Back USB	2 x USB2.0
RS485	2
Reset Button	1
PWR Indicator	1
RUN Indicator	1, Red+ Green

System Parameters	
Network Protocol	TCP/UDP/HTTP/MULTICAST/DHCP/FTP/NTP/HTTPS/RTSP
Dual- Network	Support three modes of "multi-address setting", "load balancing" and "main/standby mode"
Working Conditions	-20℃~+60℃
Power Supply	DC12V±10%, 2A
Material	Metal Case
Dimension	229 x 193 x 49 (mm)
Weight	<2KG

Contact

Megvii Technology Limited

Phone: 400-6700-866

Website: www.megvii.com

Email: business@megvii.com

Address:Jinnovation Park Building S1, No. 27
Jiancaicheng Middle Rd, Beijing