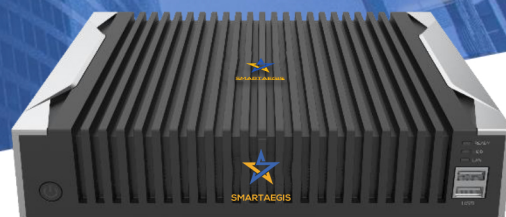




SMARTAEGIS

# SMARTAEGIS SMART AI BOX B4H

Smartaegis AI Box(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.



SMART Cube-B4H04-311-N0  
SMART Cube-B4H08-311-N0  
SMART Cube-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.



### Flexible integration

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



### High performance AI Meg-engine

AI Computing *over 28.8T*, *16ch* AI video stream, *300K* face database.



### Convenient Deployment

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

## Application Scenarios



Commercial Building



Smart Campus



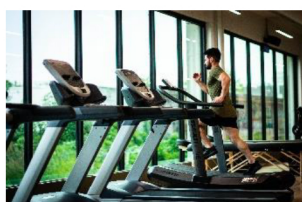
Smart Community



Bank



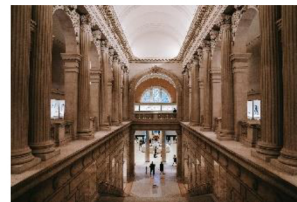
Factory



Gym and Fitness



Bus Station



Museum



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## Specification

| Model                           | SmartCube-B4H16-311-N0  |  | SmartCube-B4H08-311-N0  |  | SmartCube-B4H04-311-N0  |  |
|---------------------------------|---|--|---|--|---|--|
| 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  |  | Up to 8ch   |  | Up to 4ch   |  |
| Smart Function                  |   |  |   |  |   |  |
| Face Recognition                | Up to 16ch  |  | Up to 8ch   |  | Up to 4ch   |  |
|                                 | Face capture, face recognition, face attribute, body capture, body attribute, face with body, database up to 300K   |  |   |  |   |  |
| Video Structured                | Up to 16ch  |  | Up to 8ch   |  | Up to 4ch   |  |
|                                 | 1. Picture Capture: Face, body, motor vehicle, non-motor vehicle<br>2. Attribute Output: Face, body, vehicle, non-vehicle<br>3. Binding Relationship: face-to- person, person-to- non vehicle   |  |   |  |   |  |
| Intelligent Alert               | 1. Perimeter alert up to 16ch<br>2. Behavior alert up to 10ch<br>3. People counting up to 8ch   |  | 1. Perimeter alert up to 8ch<br>2. Behavior alert up to 8ch<br>3. People counting up to 8ch |  | 1. Perimeter alert up to 4ch<br>2. Behavior alert up to 4ch<br>3. People counting up to 4ch |  |
|                                 | 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.<br>2. Behavior alert: smoking, running, falling, phone call, play mobile phone, sleeping post, gathering, personnel scuffle |  |   |  |   |  |
| Worker Safety Algorithm Package | Support   |  | Support   |  | Support   |  |
| Active Report                   | 1. Face capture, face recognition, face attribute results<br>2. Results and attributes of face human-machine<br>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  |  |   |  |   |  |



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