SMARTAEGIS 2000 Series

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保密信息

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Smartaegis 2000

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Smartaegis2000 Series

Management Host

SKU： **SmartCube-HML2002**

Scope： Cost-Effective Management Host

Capacity： **64 x AI Devices**

Compute： No AI Chip， connect with B4H

Feature： FacePass、VA、People Counting

Management + VA Host

SKU： **SmartCube-HAL2002-1S2**

Scope： **Management + Analysis Host for SMS Projects**

Capacity： **64 x AI Devices**

Compute： **1 x AI Chip** (FR/Perimeter)

Feature： FacePass、VA、People Counting

Smartaegis2000 Series-Specs

SmartCube-HML2002-N0

Key Spec	Descriptions
Database	100,000
AI Device Capacity	64 AI Devices 1. 64 Pads 2. 64 IPCs = 64 IPCs with B4H
Face Pass	Access Control, Attendance Management, VMS, Welcome
VA	Perimeter, Behavior, Objects, People Counting, Work Safety

SmartCube-HAL2002-1S2-N0

Key Spec	Descriptions
Database	100,000
AI Device Capacity	64 AI Devices 1. 64 Pads 2. 64 IPCs = 48 IPCs with B4H + 16 IPCs with Built-in Chip
Built-in AI Capacity	16 Channels
Face Pass	Access Control, Attendance Management, VMS, Welcome
VA	Perimeter, Behavior, Objects, People Counting, Work Safety

Smartaegis2000 Series-Compatible Devices

Smartaegis FR Pads–V 1.3.2

No 3rd NVR

Smartaegis B4H–V 1.4.1

No 3rd AI Camera

Smartaegis Camera–C3S-123

No Cascade Hongtu

3rd IPC

New TV Box

No HA

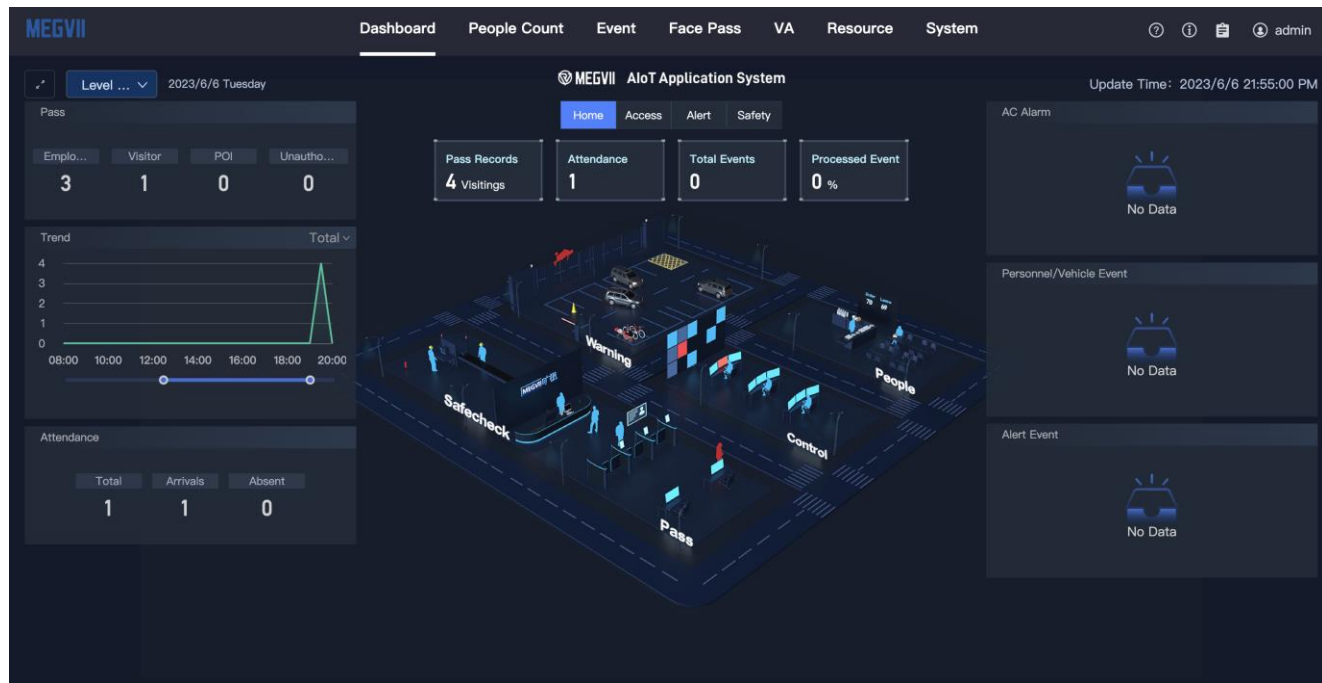# /02

V1.1.02 Feature

Dashboard

Home：Total Event Statistics

Access：Access Control

Alert：VA Alert Event Statistics

Safety：Work Safety Event Statistics
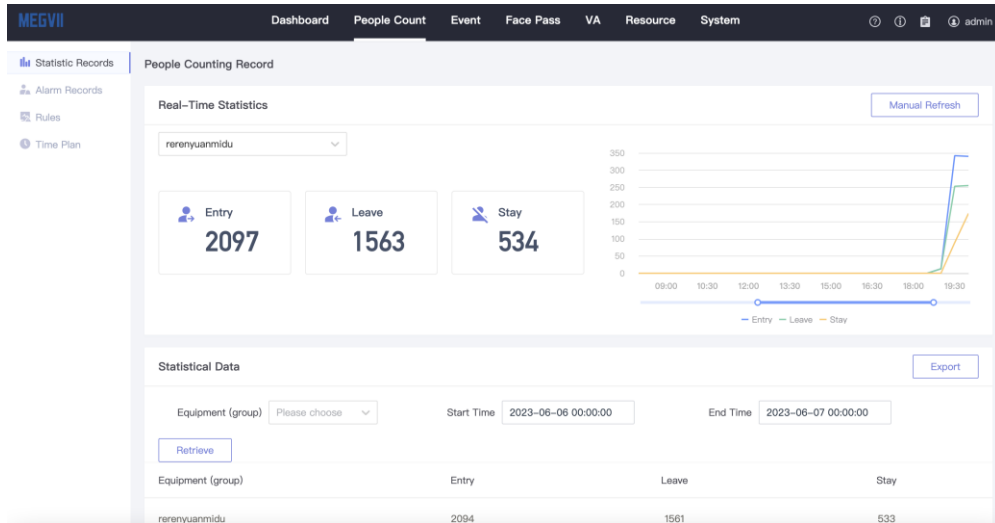
People Counting

Entry/Exit

Scenario

Statistics and display of the number of people entering and exiting buildings, supermarkets, transportation hubs, and dormitory entrances

Features

1. Real-time display of the number of people entering, leaving and staying by equipment and equipment group
2. Query historical population statistics data by equipment, equipment group, and time period
3. You can configure the number of stranded people (1-100) on the Smar taegis inter face, and if it exceeds, the number of stranded people

of stranded people will be generated in real time Overcrowding alarm

People Counting

Area People Density

Scenario

1、 Gathering of people in the area, public area, key area, supermarket, cash lane etc.

Features

You can configure the value of overcrowding (1-100) on the Smar taegis page.

FR Pad & Handheld

V1.3.2

Face Feature Dispatch

Handheld

Built-in Chip & B4H

2000 Series support B4H V1.4.1
2000 built-in chip supports 1.4.1
3004 supports B4H 2.0.2
3004 built-in chip support 2.0.2

Remark：
➢ *The built-in computing power of 3004 supports all basic general algorithms of B4HV2.0.2 version, and the industry algorithms need to be realized by external B4H*
➢ *The 3004 service side supports full functions of B4HV2.0.0 version*

B4H

V2.0.2 Model Update
Feature:
➢ Face & Structure is changed from the SDK to the algorithm warehouse, and the model is updated to the E model
  ➢ Compared with the previous version of the model: the overall general increase point, each main line scene and special scene have obvious advantages, the overall increase is about 8%, and the mask scene performance is increased by about 13%.
  ➢ Compared with Koala0920: it has advantages in all scenarios, the overall performance is about 5% better than Koala, and the mask scene performance is about 14% better than Koala.

SKU Algorithm Comparison (V1.1.0.2)

✓ **The red algorithm performance is Hongtu's built-in computing power access performance, that is, Hongtu's own algorithm capability; the number of AI terminal access channels refers to the maximum AI capability that can be expanded after Hongtu is connected to smart devices such as B4H;**

SKU	FR Video	Structure	Perimeter	Behavior	Objects	People Counting	Work Safety	AI Devices	Face Database
SmartCube-HML2002-N0	\	\	\	\	\	\	\	64	10W
SmartCube-HAL2002-1S2-N0	16	\	16	10	8	8	\	64	10W
SmartCube-HAL3004-1S2-N0	16	16	16	12	16	16	\	256	30W

SKU Feature Comparison （V1.1.0.2）

Main Feature		HML2002	HAL2002-1S2	HAL3004-1S2/4S2
Dashboard	Dashboard	Support	Support	Support
Face Pass	Access Control	Support	Support	Support
	VMS（Visitor H5）	Support	Support	Support
	Attendance	Support	Support	Support
	Welcome	Support	Support	Support
Security	POI	Not Support	Not Support	Support
	Trajectory	Not Support	Not Support	Support
	Stranger	Not Support	Not Support	Support
	Clustering/High Frequency Stranger/Deep Search	Not Support	Not Support	Support
	Stranger Search/Stranger Trajectory	Not Support	Not Support	Support
	Structure Search	Not Support	Not Support	Attribute Search
PC	Entry/Exit、Area Density	Support	Support	Support
CCTV	Video Preview	Not Support	Not Support	Support
	Video Playback	Not Support	Not Support	Support
VA	Perimeter	Support	Support	Support
	Behavior	Support	Support	Support
	Objects	Support	Support	Support
	Work Safety	Support	Support	Support
Others	Pad Face Feature Dispatch	Support	Support	Support

保密信息

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Algorithm Summary

Type	Sub-Type	Remark
Face/Body	Face，Body	
Structure	Face，Body，Motor-Vehicle，Non-Motor Vehicle	
Perimeter	No Parking，Vehicle Leave，People Wandering，Climbing Wall，Intrusion，Cross the Border	
Behavior	Fall，Smoking，Calling，Watching at the phone，Run，Sleep on duty，Off Duty，Gathering，Scuffle，Over-Staffed，Less-Staffed	
Objects	Unattended Object，Object Guard，Objects Left	
PC	Entry/Exit，Area Density	
Hygiene	Mouse，Trash bin not covered，Chef clothes，Chef hat，Mask，Gloves	Need hygiene license
Work Safety	Safety cap，Uniform，Safety belt，Reflective Vast，Flame，Smoke，Fire Equipment，Mask，Liquid Spill	Need work safety license

Smartaegis SKU Summary

2000 Series

SmartCube-HML2002-N0

SmartCube-HAL2002-1S2-N0

projects <64 channels of AI

3004

SmartCube-HAL3004-1S2-N0

projects < 256 channels of AI

Major customers: SI, ISVs

Value: closed-loop access control capability, AIOT device access capability, AI algorithm capability