MEGVII HongTu 3000

AIOT Application and Computing All-in-One Device

MEGVII HongTu is an AIoT 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 + lightweight AIoT business platform as an all-in-one solution to improve management efficiency, safety and customer experience.



MegCube-HAL3104-1S2-N0

Product Features

Built-in Security Application

AC management, person & vehicle control, perimeter alert, real-time clustering, attributes search, VA, Dashboard, People counting

High Processing Performance

Support AI device up to 128channels, with 300,000 face images in database.

API for External Cooperation

Provide rich open API to meet special business and quick integration.

Privacy protection with feature extract

Support feature extract / issue, provide more secure solutions.

Application Scenarios



Smart Building



Smart Campus



Smart Factory

Feature

Basic Function	**Description**	**MegCube-HAL3004-1S2-N0**
	Maximum Face Database	300,000
	Maximum online users	100
	Maximum management devices	Face Recognition terminal device: 200 devices or Video stream camera: 128channels.
	Video Stream	16ch for FR/ 16ch for structure/ 16ch for perimeter/16 for objects/ 12ch for behavior/ 16ch for people counting
Business Function	FR	Access control , Time attendance, Visitor management, VIP Welcome
	Person Surveillance (Blacklist, stranger, structure)	• Registered person alarm/ registered person track • Global Stranger • Clustering/Real time frequent stranger / Deep search • Search by face / stranger track • Attribute Search
	People Counting	• Entry/Exit, Regional
	Video Surveillance	• Video preview / video playback
	Smart Analysis	• Perimeter/ behavior/ objects (default support) • Hygiene/work safety/community (work with B4H)

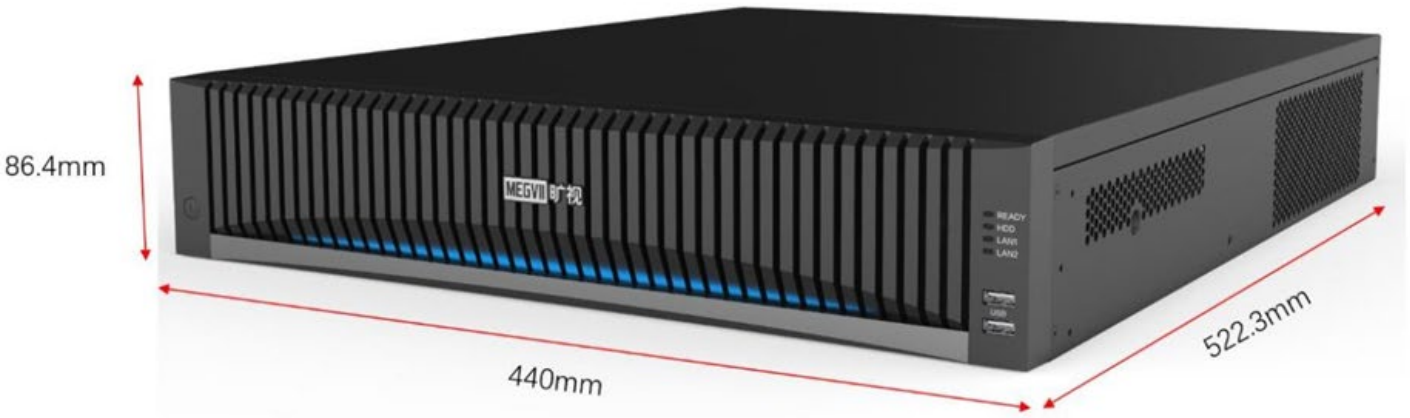
Algorithm Ability List

Built-in Algorithm	FR	• Face recognition • Full load: 16ch @2MP
	Perimeter alert	• Personnel crossing the border/intrusion/wall-climbing detection/loitering; Motor&non-motor vehicle departure/crossing the boundary/climbing detection/no parking /intrusion; people leaving • Full load: 16ch @2MP
	Behavior alert	• Person Off Duty/On /Overstaff/ Less Staff, Run, Fall, Fight, Smoking, Watching at the phone, Answering the Phone, Person Gathering, Sleep On Duty, Weapon detection • Full load: 12ch @2MP
	Object	• Unattended object, object guard, object left • Full load: 16ch @2MP
	People Counting	• Entry/Exit, Regional • Full load: 16ch @2MP
Extra Algorithm *need license and work with B4H	Hygiene Kitchen	• Mouse, Trash Bin Uncovered, Not Wearing Chef Cloth, Not Wearing Chef Hat, Not Wearing the Mask, Not Wearing the Gloves, Fire Without Person
	Work Safety	• Not Wearing Safety Cap, Not Wearing Work Cloth, Not Wearing Safety Belt, Not Wearing the Mask, Smoke, Flame, Not Wearing the Reflective Vest, Fire Facility, Liquid Leak
	Community	• Electrical Scooter in Lift, Throwing from High Building, Garbage Overflow, Garbage Exposure, Smoke, Flame, Fire Facility.

Specification

Hardware Parameter

System Parameter	Main Processor	KX-6580
	Operation System	BootOS
	Computing Chip	AX630A*1
	Memory	16G DDR4
	Data Disk	4TB, 3.5inch HDD (default)
Smart Parameter	Face recognition accuracy	Accuracy >99.5%
General Interface	Network interface	2, 10M/100M/1000M Ethernet, RJ45 interface
	USB interface	2* USB3.0; 2*USB2.0
	Audio & Video Interface	2*HDMI, 1*VGA,1*Line-in(3.5mm), 1*Audio-out(3.5mm)
	Serials Port	1*RS232, 1* RS485
	Alarm in& out	16 alarm in/ 8 alarm out
	Working Temperature	0℃~50℃
	Power	220V, 50Hz, Maximum ≤250W
	Dimension	440mm x 87mm x 523mm, weight ≤10kg



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