

DS-IE1016-03U/BA(A7)



- Behavior Analysis Server can detect the specific behaviors of individuals and groups in the perimeter, street, densely populated areas, indoor and other places, and provide professional video intelligent analysis applications.
- Real-time detection and alarming of events such as line crossing, area intrusion, region entrance/exiting, loitering, parking, unattended baggage or object removal.
- Real-time detection and alarming of people density, real-time people counting statistics and people counting statistics.
- Real-time detection and alarming of events such as getting up, key person getting up, climbing, absence or sleep on duty, abnormal number of people, overstaying, sudden change of sound intensity, regional overstaying, physical conflict, standing up, sitting, people counting or uniform detection.
- Real-time detection and alarming of events such as fast moving, physical conflict, people gathering, falling down or unattended baggage detection.
- AI open platform algorithm detection: Real-time detection and alarm are performed on the object detection, single tag classification, multi tags classification, multi attributes classification, and mix (1 for detection and 3 for classification) algorithm events trained by the open platform.

▪ Specification

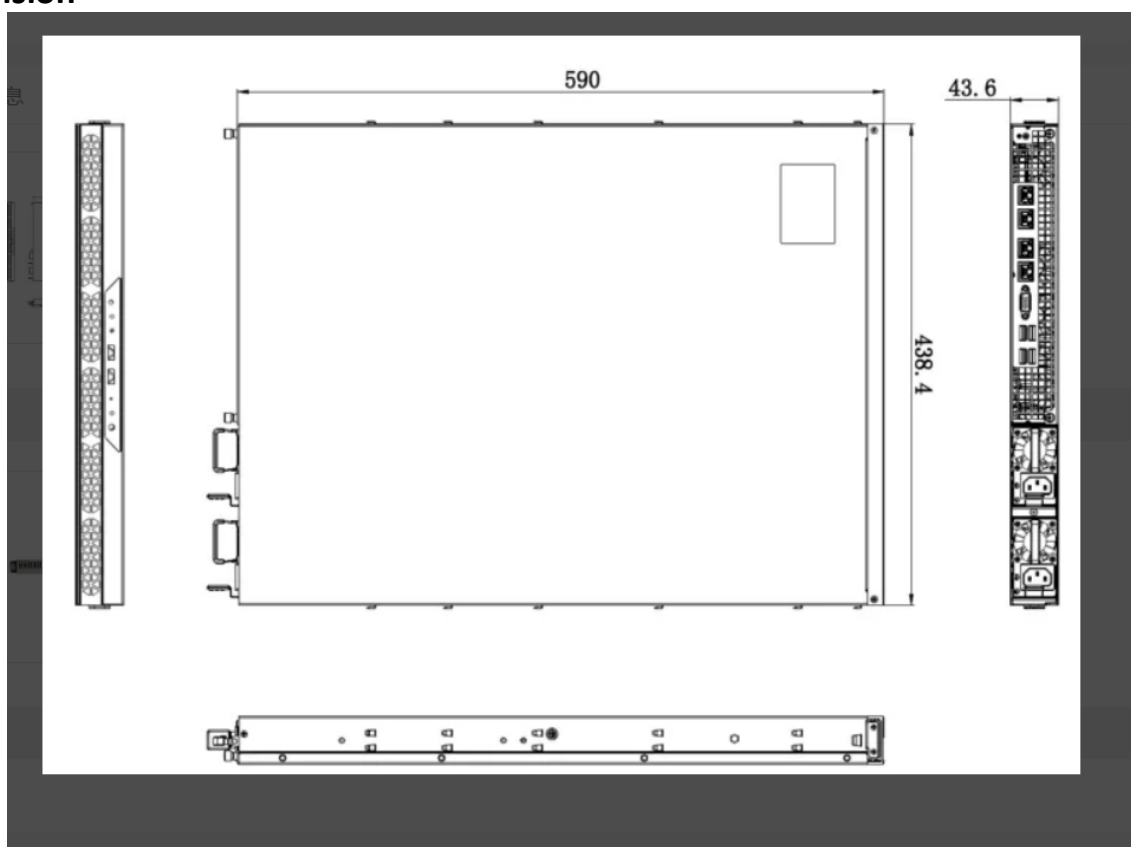
Model		DS-IE1016-03U/BA(A7)
Product Performance	Algorithm Type	Indoor, Perimeter, Trend, Street
	Protocol Type	ISAPI
	Cluster Capacity	5
	Virtual Machine Storage	100,000 alarm messages & images
	Data Type	Behavior (Video)
	Video Analysis Capacity	16 channels (up to 8 MP, 1080 p is recommend)
AI	Data Type	Picture or Video
	Picture Analysis Performance	Performance specification (2 MP resolution with less than 10 targets in the scene): Object detection, single tag classification, multiple tags classification, multiple attributes classification, mix (1 for detection, 3 for classification) and 64 pictures per second.
	Video Analysis Performance	Performance specification (2 MP to 8 MP (4096 × 2160): resolution-insensitive; tracking 64 targets in scene at the same time and outputting one target per second): Object detection, single tag classification, multiple tags classification, multiple attributes classification, mix (1 for detection, 3 for classification) and 16 channels video analysis.
	Picture Resolution Requirement	32 × 32 to 4096 × 4096 Picture format: JPEG (JPG), TIF, BMP, PNG, gif (static); Picture size: no more than 10 MB.
	Supported Algorithm Type	Object detection, single tag classification, multiple tags classification, multiple attributes classification, mix.
	Video Frame Rate Requirement	H.264 video stream, H.265 video stream (HIKVISION), Resolution: 2 MP-8 MP (4096 × 2160); Frame rate: 12/s to 30/s; Stream packaging format supported by video importing: ps, ts, mp4, avi, mbf, asf, h.264, h.265 (HIKVISION), svac, hik es, Dahua es, Tiandi platform es; Video size: no more than 100 GB in total, and no more than 10 GB per video.
	Usage	AIMMS 1.6.0
	Picture rotation analysis	Performance specification (2 MP resolution with less than 10 targets in the scene): Object detection, single tag classification, multiple tags classification, multiple attributes classification, mix (1 for detection, 3 for classification). Support up to 4 tasks of scheduled capture analysis (each capture task can link to 16 channels rotation analysis, capture interval can be 1 to 3600 seconds).
Hardware Specifications	CPU	Hygon 3185 (8 Cores, 16 Threads, 3 GHz)
	Memory	16 GB DDR4 RDIMM
	HDD Interface	M.2
	HDD Capacity	240 GB SSD × 2
	Network Interface	1000 M network interface × 4

	USB 3.0 (External)	6
	VGA Interface	1
Physical and Environmental Parameters	Rated Power Consumption	550 W × 2
	Package Dimensions	830 mm (W) × 830 mm (D) × 222 mm (H)
	Gross Weight (With Package)	19 kg

▪ Available Model

DS-IE1016-03U/BA(A7),

▪ Dimension



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