

DS-IE1064-A7U/BA(H10) **Abnormal Event Detection Server**



Key Feature

- AI Open Platform Algorithm Detection: Supports real-time detection and alarm for trained events, such as object detection, single-tag image classification, multi-tag image classification, multi-attribute image classification, and combined algorithm etc.
- Perimeter Protection Detection: Supports real-time detection and alarm for line crossing, intrusion, region entrance/exiting, loitering, parking, unattended baggage, object removing, etc.
- Street Event Detection: Supports real-time detection and alarm for fast moving, physical conflict, people gathering, people falling down, unattended baggage, etc.
- Trend Analysis Detection: Supports real-time detection and alarm for people density, regional people counting, people counting, etc.
- AI Open Platform Algorithm Detection: Supports real-time detection and alarm for trained events, such as object detection, single-tag image classification, multi-tag image classification, multi-attribute image classification, and combined algorithm etc.

▪ Specification

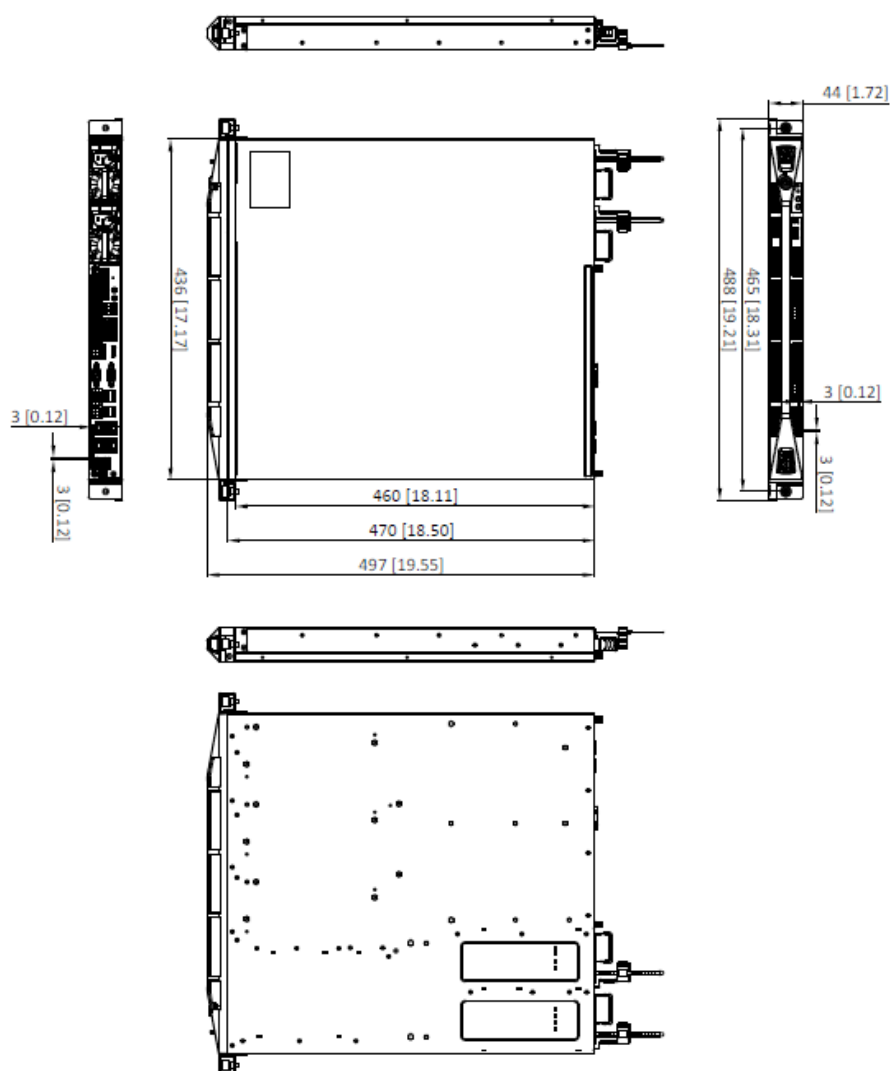
Product Performance	
Algorithm Type	Event detecting algorithms includes: Perimeter Protection: Line crossing, intrusion, region entrance/exiting; Street Event: Fast moving, people falling down, physical conflict, people gathering, unattended baggage; Indoor Event: Absence detection, staying overtime, abnormal number of people, physical conflict, falling down, using mobile phone; Trend Event: People density analysis, regional people counting, people counting. Events below supports large model: Perimeter Protection: Line crossing, intrusion, region entrance/exiting; Street Event: Fast moving, people falling down, physical conflict; Indoor Event: Absence detection, staying overtime, abnormal number of people, physical conflict, falling down, using mobile phone; Trend Event: People Density Analysis.
Algorithm Loading Time	20 S
Protocol Type	ISAPI
Cluster Capacity	1
Virtual Machine Storage	100,000 alarm messages & images
AIOP	
Data Type	Picture or Video
Supported Algorithm Type	Large Model: Single detection, combined algorithm, dual detection; Small Model: Classification, OCR (Optical Character Recognition).
Picture Resolution Requirement	32 × 32 to 4096 × 4096 Picture format: JPEG (JPG), TIF, BMP, PNG, gif (static); Picture size: no more than 10 MB.
Video Frame Rate Requirement	Stream: H.264 video stream / H.265 video stream (HIKVISION); 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 100GB in total, and no more than 10GB per 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 256 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) 64 channels video analysis.
Usage	AIMMS 1.12.0
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 16 tasks of scheduled capture analysis (each capture task can link to 16 channels rotation analysis, capture interval can be 1 to 3600 seconds).

System	
Memory	8G × 2
Network	
Network Interface	1000 M network interface × 4
Auxiliary Interface	
USB Interface	USB2.0 × 2 + USB3.0 × 4
Hardware Specifications	
CPU	H10
VGA	1
HDD Specifications	480GB SSD×1
General	
Dimension (W × D × H)	460 mm(W) × 436 mm(D) + 44 mm(H)
Weight	13.5 kg (With Package)

▪ Available Model

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▪ Dimension



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www.hikvision.com
support@hikvision.com

