

DS-IE1016-A7U/BA(H10) **Abnormal Event Detection Server**



Key Feature

- Indoor Event Detection: Supports real-time detection and alarm for getting up, climbing, sudden change in sound intensity, staying overtime, abnormal number of people, physical conflict, standing up, uniform detection, sedentary sitting, using mobile phone, falling down, regional people counting, 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

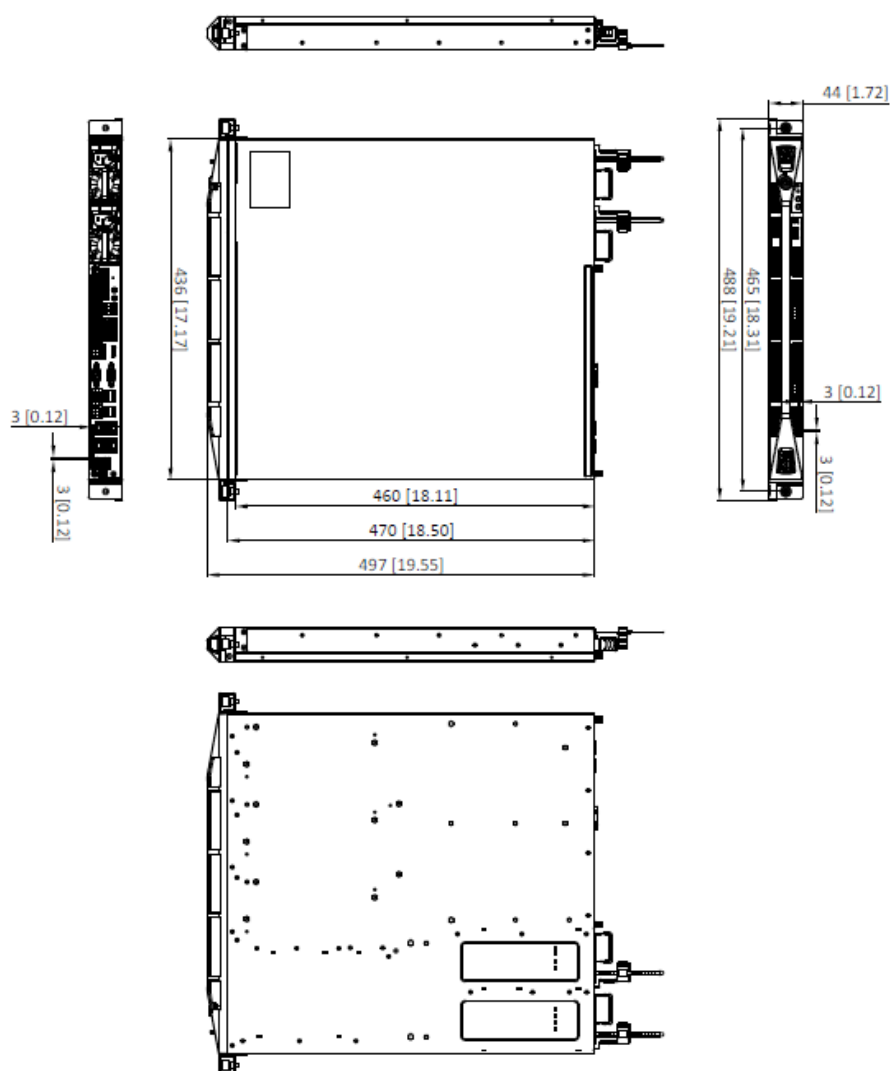
Product Performance	
Algorithm Type	Event detecting algorithms includes: Perimeter Protection: Line crossing, intrusion, region entrance/exiting; Street Event: Fast moving, people falling down, physical conflict, people gathering, unattended baggage; Indoor Event: Absence detection, staying overtime, 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	Resolution: 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); 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 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) and 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	480 GB SSD × 1
General	
Dimension (W × D × H)	460 mm(W)× 436 mm(D) × 44 mm(H)
Weight	13.5 kg (With Package)

▪ Available Model

DS-IE1016-A7U/BA(H10)

▪ Dimension



See Far, Go Further



www.hikvision.com
support@hikvision.com



© Hangzhou Hikvision Digital Technology Co., Ltd. Unless otherwise agreed, Hikvision makes no warranties, express or implied. We reserve the right to introduce modifications without notice.

HIKVISION®