

DS-IX2256-C1U/XP Intelligent Fusion Server Ultra



- Supports AcuSeek and AcuSearch functions, Achieving rapid target retrieval through the natural language description of the target object's characteristics
- Integrates analysis, storage and application as one, and applicable to various scenarios
- Concurrent analysis of Max.256 channels of 1080P video stream for a single device
- Up to 6,000,000 targets per day for AcuSeek
- Up to 384 pieces per second for face modeling and compare, or up to 192 pieces per second for human , or up to 150 pieces per second for vehicles
- Provides Max. 60 million pieces of pictures and data capture storage for a single device
- Performs various functions, including list alarm, personnel archive, personnel trace analysis, search by human body picture, and vehicle arming, etc. via web application interface
- Supports cluster deployment to deal with balanced load, dynamic adding and failover
- Supports adding Max. 5 devices under cluster mode

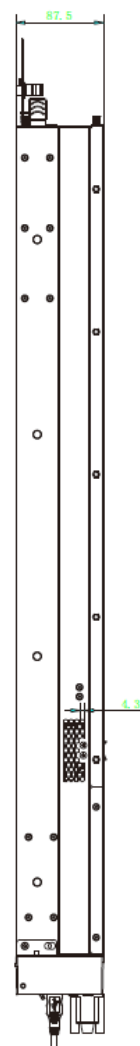
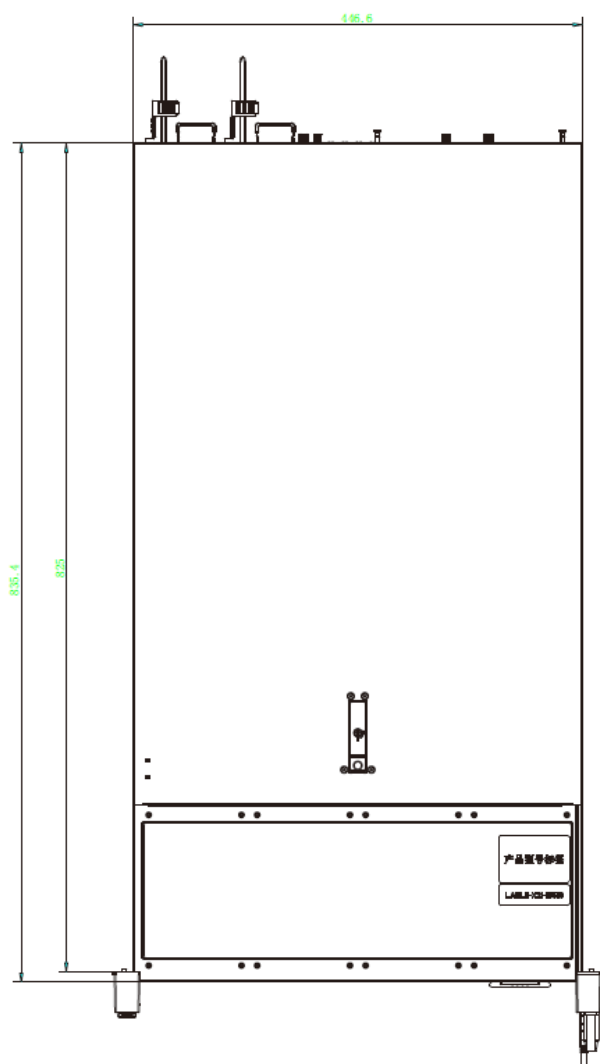
▪ Specification

AcuSeek	
AcuSeek Modeling Performance	2MP: 6,000,000 targets / day (80 targets/s) 5MP: 4,000,000 targets / day (50 targets/s) 8MP: 3,200,000 targets / day (40 targets/s) Note: For scenarios involving multiple resolutions, performance can be scaled proportionally based on the above metrics.
AcuSeek Fine-Tuning Performance	20,000
Intelligent Analysis Capability	
Analysis Type	AcuSeek , Face Analysis, Video Structuralization, Face clustering
HMS-Capture	256 channels (2 MP) 128 channels (> 2 MP to 5 MP) 64 channels (> 5 MP to 8 MP)
Engine	6, each engine can run an intelligent algorithm: Face Analysis, Video Structuralization, To use AcuSeek function, one engine must be enabled for Video Structuralization
Text-Defined Alert	
Performance	60-ch
Text-Defined Groups	1000
Face Analysis	
Data Type	Picture, Video
Face Attribute	Gender, Age Group, Wearing Glasses, Wearing Mask, Facial Expression
Analysis Type	Supports analysis, comparison and classification of faces in pictures, real-time videos or recordings.
Video Frame Rate Requirement	12 to 30 frames per second
Face Picture Analysis and Comparison	6 Engines, 64 pictures/s/engine
Face Video Analysis and Comparison	256 channels (2 MP) 128 channels (> 2 MP to 5 MP) 64 channels (> 5 MP to 8 MP)
Face Picture Requirement	Face analysis target: Resolution: 48 × 48 to 8000 × 8000 (64 MP) Size: ≤ 10 MB Pupil distance: 20 to 300 pixels recommended Face angle deviation: Face analysis: ≤ 35° (vertical); ≤ 55° (horizontal) Face picture of list library: ≤ 25° (vertical); ≤ 30° (horizontal)
Concurrent Performance-1 V 1 Comparison	64 pairs per second
Max. List Libraries	3 million
Max. Arming Lists	128

Facial Video Format	Resolution: 720 P to 8 MP Real-time video stream: H.264, H.265 Local recording: H.264, H.265
Face Picture Format	JPEG(JPG), TIF, BMP, PNG, GIF(static diagram) size ≤ 10MB
Picture Resolution	Face analysis target: 48 × 48 to 8000 × 8000 (64 MP), Size: ≤ 10 MB Pupil distance: 20 to 300 pixels recommended Face angle deviation: Face analysis: ≤ 35° (vertical); ≤ 55° (horizontal) Face picture of list library: ≤ 25° (vertical); ≤ 30° (horizontal)
Imported Video Analysis	Single video size ≤ 10 GB, and total video size ≤ 1000 GB Max. 40 times accelerated analysis speed Format: TS, DaHua es, SVAC, MBF, PS, MP4, AVI, ASF, HIK es, Tian Di es
Video Structuralization	
Analysis Type	Supports analysis and modelling for human bodies or vehicles in pictures, real-time videos or recordings
Video Format	Resolution: 720 P to 8 MP Real-time video stream: H.264, H.265
Video Frame Rate Requirement	12 to 30 frames per second (25 frames per second recommended)
Human Body Attribute	Age Group, Gender, Wearing Glasses, Carrying Backpack, Wearing Hat, Wearing Mask, Hairstyle, Tops Type, Tops Color, Bottoms Type, Riding Status, Carrying Objects
Vehicle Attribute	Vehicle color, vehicle type, vehicle main brand, license plate number
Analysis of Human Body and Vehicle Videos	256 channels (2 MP) 128 channels (> 2 MP to 5 MP) 64 channels (> 5 MP to 8 MP)
Imported Video Analysis	Single video size ≤ 10 GB, and total video size ≤ 1000 GB Max. 40 times accelerated analysis speed Format: TS, DaHua es, SVAC, MBF, PS, MP4, AVI, ASF, HIK es, Tian Di es
Analysis of Human Body and Vehicle Pictures	6 Engines, each Engine support: Human: 2MP: 32 pictures/s 5MP: 20 pictures/s 8MP: 12 pictures/s Vehicle : 2MP: 25 pictures/s 5MP: 16 pictures/s 8MP: 12 pictures/s
Human Body Picture Requirement	Resolution: 256 × 256 to 8000 × 8000 (64 MP) Human body width: 70 to 300 pixels recommended Completeness: the blocking area should be less than 30 percent of the target Angle deviation: the depression angle should be no greater than 44°
Data Storage	
Picture and Structured Data	60 million, The actual storage capacity depends on the image size

Hot Data-Search by Picture Performance	18 million for AcuSeek and AcuSearch
Search by Face Picture-Response Time	18 million , 2s
Search by Human Body Picture-Response Time	18 million , 2s
Search by Vehicle Picture-Response Time	18 million , 2s
Hardware Specifications	
CPU	Hygon 7360 x 2
HDD Specifications	240 GB SSD x 2(Raid 1) + 480 GB SSD x 1 + 4 TB SATA x 1 + 8 TB SATA x 4(RAID5)
GPU	HIKVISION H12 Card x 2 NVIDIA L2 x 5
Memory	128G DDR4(16GB x 8)
External Interfaces	USB 2.0 x 2 + USB 3.0 x 2 + VGA x 1
Device Dimensions	835 mm x 446.6 mm x 87.5 mm (32.9 inch x 17.6 inch x 3.44 inch)
Package Dimensions	965 mm x 670 mm x 320 mm (38.0 inch x 29.4 inch x 12.6 inch)
Fan	4
Network Interfaces	2 x 1Gb RJ45 + 2 x 10Gb SFP+
Max. Power Consumption	1200 W
Rated Power Consumption	890 W
PSU	Hot-plugged efficient 1+1 redundant power module
Security	TPM chip
Physical and Environmental Parameters	
Storage and Transportation Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Gross Weight (With Package)	33.76 kg (74.42 lb.)
Storage and Transportation Humidity	5% to 90% (without condensation)
Working Temperature	5 °C to 35 °C (41 °F to 95 °F)
Working Humidity	10% to 90% (without condensation)
Net Weight (Without Package)	30.0kg (66 lb.)

▪ Dimension



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