DS-VBD1HH-UF/H/63
Fusion Big Data Server

- Supports fuzzy search via setting searching conditions like time range, camera, and human face/vehicle/vehicle attribute.

- Supports similarity matched searching for single model or multiple models.

- Supports trace information statistics via model comparison.

- Supports data area comparison to find data that meet searching conditions.

- Single server supports storing 1.8 billion facial/human/vehicle data, with daily increase of 10 million data accesses.

- Supports multi-dimensional data integration and storage, and data association.

- Adopts cluster linear expansion to realize the flexible expansion of storage and performance.

- Support single deployment or cluster deployment within 5 machines.

- Adopts multi-duplicate data saving and fault tolerance mechanism to realize automatic recovery.

- Supports system disaster tolerance to keep the server running when any node in cluster has fault.

▪ Specification

Product Performance	
Data Type	Human face data,Human body data,Vehicle data
Software Function	Human face data: Attribute search, search by picture, area comparison, frequently appeared person analysis, destination analysis, companion analysis, statistics analysis, human arming, etc. Human body data: Attribute search, statistics analysis, search by picture, etc. Vehicle data: Vehicle search, trace search, facial masking in night, entering downtown for first time, frequent entrance & exit, area comparison, search by picture, vehicle with fake license plate analysis, model arming, etc.
Cold Data	Single server supports storing 1.8 billion facial/human/vehicle data, with daily increase of 10 million data accesses.
Hardware Specifications	
CPU	6230 x 2
Memory	512 GB DDR4
Network Interfaces	1GbE×2+10GbE×2
Max. Power Consumption	750 W
Device Dimensions	2U 715.5 mm × 482 mm × 86.8 mm (28.2'' × 19.0'' × 3.4'') With package: 960 mm × 610 mm × 295 mm (37.8'' × 24.0'' × 11.6'')
HDD Specifications	960G SSD×2(RAID1)+1.6T NVME PCIE SSD×4+8T 7.2K SATA HDD×6(RAID10)
PSU	Hot-plugged efficient 1+1 redundant power module
External Interfaces	USB 3.0 × 2 + USB 2.0 × 2 + VGA × 1
Physical and Environmental Parameters	
Net Weight (Without Package)	26.5 kg (58.4 lb)
Storage and Transportation Temperature	-40°C to +70°C (-40°F to 158 °F)
Working Temperature	+5°C to +35°C (41°F to 95 °F)
Working Humidity	8 % to 90 % (without condensation)

▪ Available Model

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