DS-AT1000SI/C450/720T
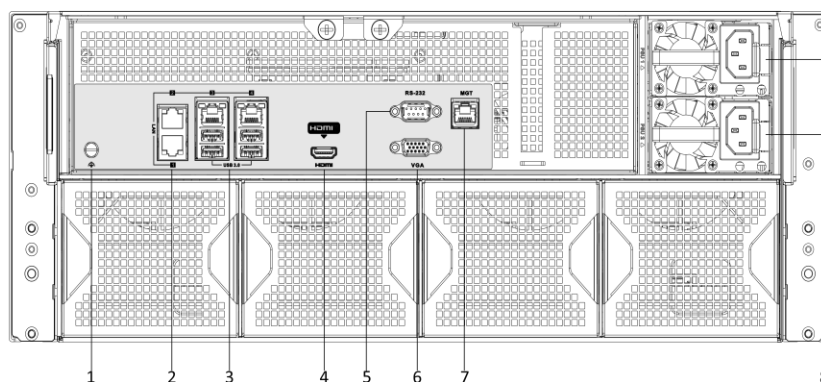## 24-slot Cost-efficient Super Capacity Storage

DS-AT1000S series storage system is a storage product with huge capacity and high-density design. A 4U chassis provides up to 720 TB capacity. Compared to general storage product, DS-AT1000S reduces the total cost at up to 50%. VRAID technology realizes an intensive management for storage space and data, and protects the data security from substructure. Support periodic HDD replacement, which guarantees the product availability.

- High-quality recorder capable of storage and adopts multiple advanced technologies, including direct streaming video technology, VRAID technology etc.

- Modular and no-cable design.

- Supports pre-installed 24*30TB enterprise HDD

- Connectable to encoding devices (IPC/DVR//NVR) using standard stream media protocol such as RTSP, ONVIF etc

- Supports ultra-fault-tolerant disk processing: Even when failed disks exceed redundancy limits, data on remaining drives remains readable, and new data can still be written normally.

- Supports VRAID 2.0 data protection technology, enabling refined management of storage space and data.

▪ Specification

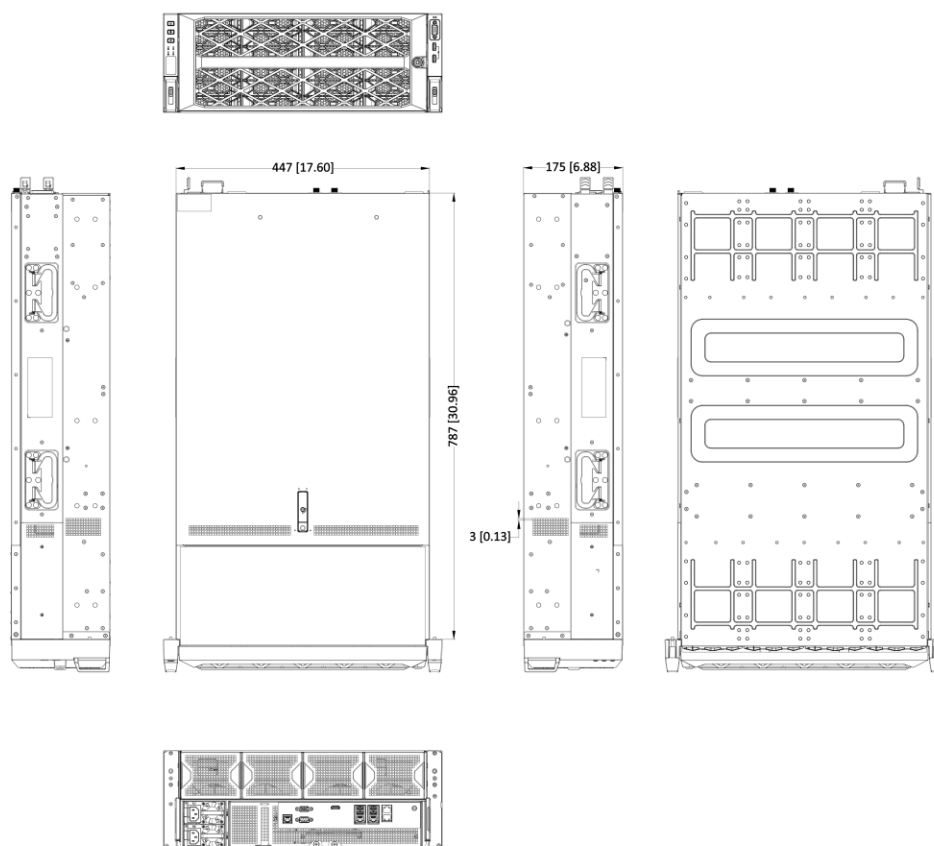| Network	
Protocol	RTSP, ONVIF, SDK, ISAPI
External interface	
USB	USB 2.0: Front × 2 USB 3.0: Rear × 4
Data network interface	4 × 2.5G Ethernet interface(4 × GbE or 2 × GbE or 1 × GbE or 2 × 10GbE is extendable)
COM	RS-232 serial interface × 1
Management network interface	1, 1000M Ethernet interface
Storage	
HDD slot	24 (Pre-installed 24 HDDs.)
Interface/capacity	SATA/30 TB
Hot-swapping	Supported
HDD support	Enterprise Hard Disk
RAID	VRAID 2.0
Hardware	
Structure	Controller Structure
Processor	64-bit multi-core processor
Cache	16 GB
Storage Management	
Disk management	Disk inspection, alarm and repair
Recording Management	
Recording mode	Timing recording, event recording
Video protection	Lock key video, ANR, video loss detection and alarm
Searching mode	Search by time and event
Downloading mode	download by time, download by file
Device Maintenance	
Management mode	Web-based GUI, serial interface CLI, centralized management of multiple devices (HCP)
Alarm mode	Sound, light, email, web page
Log downloading	Download on web page
HDD	
HDD Model	Hikvision, HK7230AH, 30TB;
Performance Parameter	
Video performance	450-ch (2Mbps)
External Interface	
HDMI	Rear × 1
General specification	
Chassis	4U
Dimension (W × H × D)	447 × 175 × 787 mm (17.6 × 6.9 × 31.0 in)
Weight (without HDDs)	≤ 25kg
Weight	≤ 44.2kg
Power Module	Redundant 550W
Rated power consumption	Working: ≤ 522W
Working humidity	20% to 80%RH (non-condensing/frozen)
Storage humidity	5% to 90%RH (non-condensing/frozen)

▪ Physical Interface

Number	Description	Number	Description
1	GND	5	RS-232 interface
2	LAN network interface	6	VGA interface
3	USB 3.0	7	Management network interface
4	HDMI interface	8	Power supply

▪ Available Model

DS-AT1000SI(STD)/C450/720T

▪ Dimension

447 [17.60]

175 [6.88]

787 [30.96]

3 [0.13]

Unit:mm [inch]

| SCALE | 1:1 |

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