

DS-AT1000SI/C450/540T **24-slot Cost-efficient Super Capacity Storage**



The AT1000S Series is a video recording product launched by Hikvision. Featuring hardware-software integration and pre-installed hard drives, it delivers cost-optimized video storage solutions. The device offers multiple drive bay configurations and supports direct video stream writing capability. With comprehensive intelligent monitoring, it provides multi-level smart O&M services for worry-free maintenance.

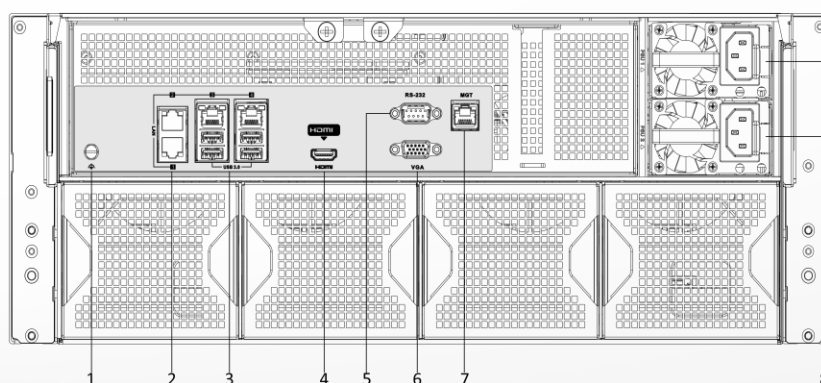
- High-quality recorder capable of storage and adopts multiple advanced technologies, including direct streaming video technology, VRAID technology etc.
- Modular and no-cable design.
- Supports pre-installed 18*30TB enterprise HDD
- Connectable to encoding devices (IPC/DVR//NVR) using standard stream 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

System	
Main Processor	64-bit multi-core processor
Operating System	LINUX FAROS
Operating Interface	Web
Controller	Single controller
Cache	8 GB by default (extendable to 64 GB)
Video Protection	
Video Protection	ANR
Audio and Video	
Access Channel	450
Multi-Screen Display	Customized display, max 16-channel web live view
Third-Party Camera Access	ONVIF; RTSP
Compression Standard	
Video Compression	H.265+; H.265; H.264+; H.264
Audio Compression	G.711ulaw; G.711alaw; G.722; G.726; AAC; MP2L2
Network	
Network Protocol	HTTP; HTTPS; IPv4; SMTP; NTP; DHCP; DNS; SNMP; SADP
Interoperability	ONVIF (Profile S,T); ISAPI; SDK
Browser	Chrome; Firefox; Edge; Safari
Network Mode	Active-Backup; XOR Mode; 802.3ad; Self-Adaptive Load Balancing (Virtualized)
Recording Playback	
Multi-Channel Playback	Web playback, max 16-channel playback
Recording Management	Recording modes: continuous, event-based, motion detection. Supports locking key video
Playback Function	1. Play, pause, stop, fast forward, fast backward, reverse playback, single frame 2. Full screen, backup (clip/file), capture, digital zoom, audio on/off, aspect ratio, window split
Performance Parameter	
Video Direct Storage (Timed Recording)	Incoming: 450-channel (bandwidth: 900 Mbps) Outgoing: bandwidth: 90 Mbps Playback: 45-channel (bandwidth: 90 Mbps)
Video Direct Storage (Event Recording)	Incoming: 200-channel (bandwidth: 400 Mbps) Outgoing: bandwidth: 90 Mbps Playback: 45-channel (bandwidth: 90 Mbps)
Storage	
RAID	RAID5(VRAID)
Storage Pool	Video pool management
HDD slot	24 (with 18 pre-installed HDDs, remaining slots unavailable)
HDD Interface/Capacity	SATA/30 TB
HDD Hot-Swapping	Supported
HDD support	Enterprise Hard Disk
Disk Management	Disk inspection, smart alarm and repair
Device Maintenance	
Alarm Linkage	Sound, notifying surveillance center, sending email, recording linkage

Anomaly Alarm	Storage exception, network exception, power exception, temperature exception, fan malfunction
Log Downloading	Download on web page
Port	
HDMI	1 × Rear
VGA	1 × Front; 1 × Rear
COM	1 × RS-232 serial interface
USB	2 × USB 2.0 (Front) 4 × USB 3.0 (Rear)
Management Network Interface	1 × 1G Ethernet interface
Data Network Interface	4 × 2.5G Ethernet interface
Network Port Extension	4 × GbE or 2 × GbE or 1 × GbE or 2 × 10GbE (optional)
Indicator	Hdd indicator, power indicator, location indicator, status indicator, network indicator, alarm indicator
General Specification	
Chassis	4U
Power Supply	100-240 VAC, 50/60Hz, 2 redundant power supply
Power consumption	Working(all HDDs connected): ≤ 520W(1775 BTU/hr) Working(without HDD): ≤ 235W(802 BTU/hr) Rated: ≤ 550W(1876 BTU/hr)
Fan	Intelligent speed regulation fan
Net Weight	41 kg (90.39 lb)
Gross Weight	57 kg (125.66 lb)
Dimension (W × H × D)	447 × 175 × 787 mm (17.6 × 6.9 × 31.0 in)
Working temperature	5 °C to 40 °C (+41 °F to +104 °F)
Working humidity	20% to 80%RH (non-condensing/frozen)
Storage temperature	-20 °C to 70 °C (-4 °F to +158 °F)
Storage humidity	5% to 90%RH (non-condensing/frozen)
Installation	Standard 19 inch rack
Language	English, Vietnamese, Thai, Turkish, Arabic, Spanish, Portuguese, Russian, Chinese
VMS Support	HCP, HCM
Slide	Provided as accessory
Certifications	CB,CE-EMC,CE-LVD,RCM,Transport Identification

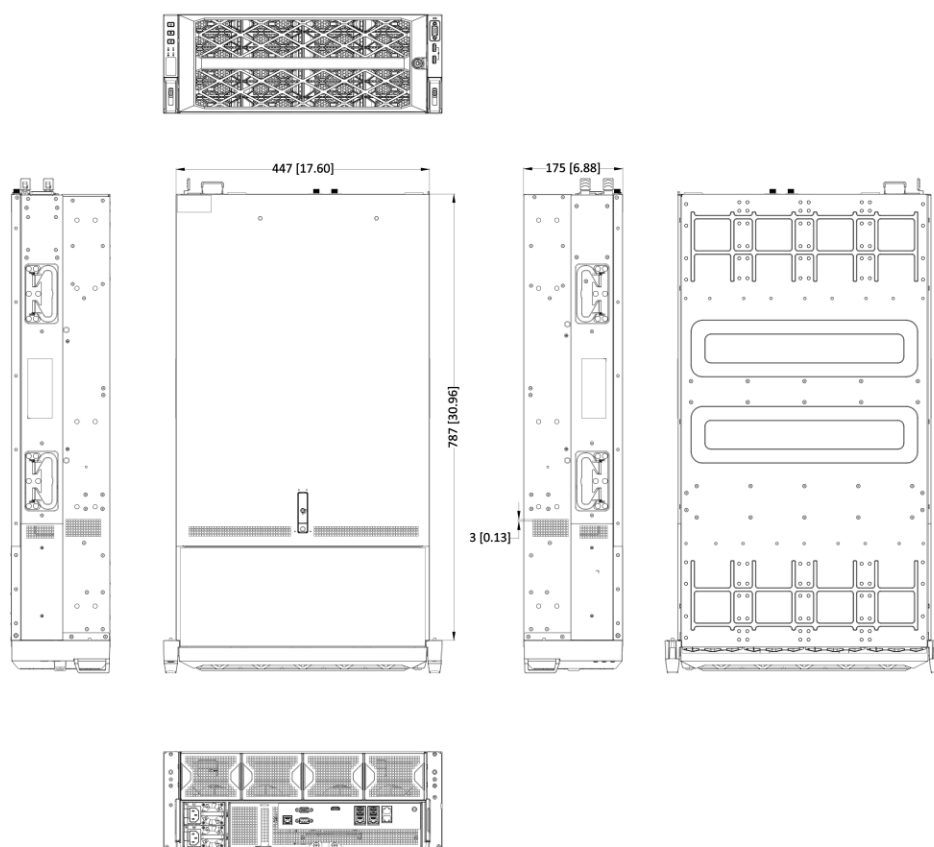
▪ Physical Interface



Number	Description	Number	Description
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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

▪ Dimension



Unit:mm [inch]

SCALE 1:1

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