

Designed and developed for the Internet of Things

Hybrid SAN Super Capacity Storage

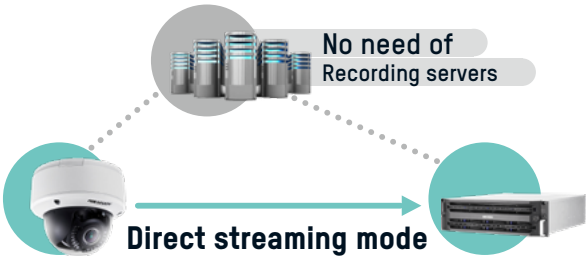
In 2020, there will be around 5 million or more smart sensors and other IoT devices worldwide, producing data amounting to 500+ Zettabytes.

How storage providers manage total storage costs at such a rapidly expanding scale? That's where Hikvision's Super Capacity storage comes in.



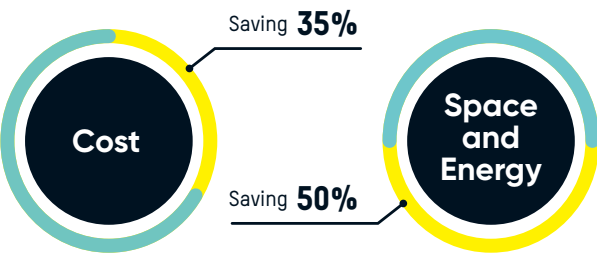
HIGH EFFICIENCY AND PERFORMANCE

In direct streaming mode, Hikvision's Super Capacity storage solution **reduces your expenditures on recording servers** (With the IP SAN solution, every 200 IP cameras require at least 1 recording server), while also improving the efficiency of search and write operations with a simplified process. This makes applications more flexible and more budget-friendly.



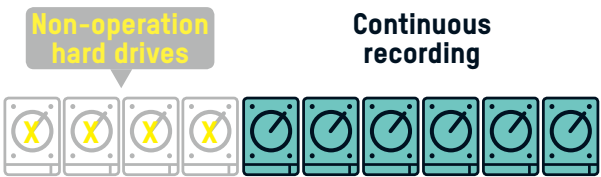
COST EFFECTIVE SOLUTION

Hikvision's solution takes up less space in the equipment room, uses less electricity, and lowers implementation time – saving you time and money. Compared to the current 8 TB HDD storage devices, the 18 TB SMR HDD saves users up to 35% of cost per TB, and up to 50% of space and energy consumption per TB.



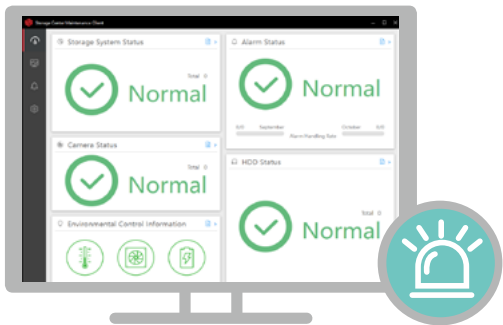
SAFE AND RELIABLE

Hikvision's iRAID storage technology adds to data security. While traditional RAID stops working when three hard drives fail, iRAID continues to function – so video recording **continues uninterrupted even when four hard drives fail** (the customized version). What's more, data stored on functioning hard drives can still be played back.





EASY OPERATION AND MAINTENANCE

Our newly released maintenance software supports easy one-stop configuration, saving time and enhancing efficiency. The status of HDDs, CPUs, power units, and fans will be monitored in real-time and alarm messages will be shown when problems occur.



PRODUCT SPECIFICATIONS

Hybrid SAN DS-AT1000 Models

Model		DS-AT1000S/288	DS-AT1000S/432
			
Performance	Video (2 Mbps)	256-ch	400-ch
Controller	Processor	64-bit multi-core processor	
	Cache	12 GB	16 GB
Storage	HDD slot	16	24
	Interface	SATA	
	Capacity	Up to 18 TB	
	RAID	iRAID	
	Disk	Disk detection pre-alarm and repair	
Recording	Logical volume	Recording volume management	
	Recording type	Continuous, manual, and alarm recording	
	Video protection	Video loss alarm	
Maintenance & Management	Search and download	Log in storage system to search, play, and download videos. Supports searching videos by time, event type, and smart information	
	Management method	GUI based on web, serial port CLI, platform	
Network	Alarm method	Audio, Indicator, GUI	
	Protocol	RTSP, ONVIF	
External Interface	Data network interface	Three 1,000-Mbps Ethernet interface	Four 1,000-Mbps Ethernet interface
	Management network interface	One 1,000-Mbps Ethernet interface	
Video Management Platforms		HikCentral, iVMS-4200	
Authentication		CE, FCC, UL	

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Hybrid **SAN** Super Capacity Storage

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