



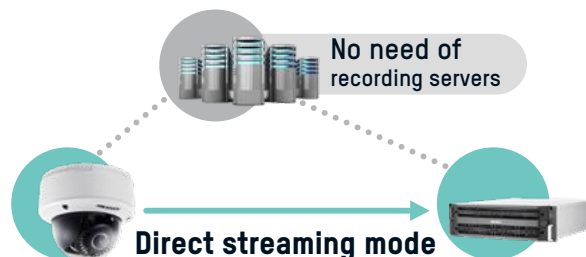
**Designed and developed
for the Internet of Things**

Hybrid SAN Super Capacity Storage

HIKVISION®

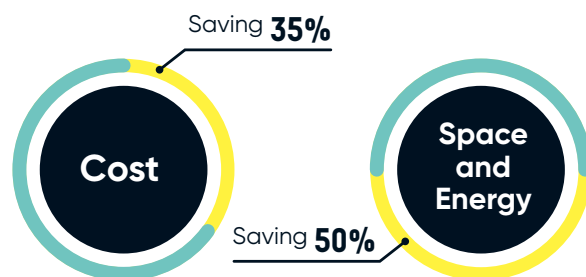
HIGH EFFICIENCY AND PERFORMANCE

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.



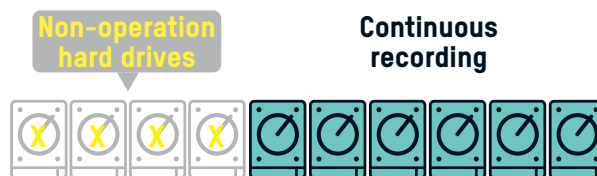
COST EFFECTIVE SOLUTION

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 20 TB SMR HDD enables up to 120 TB/U ultra-high storage density, saving users up to 35% of cost per TB, and up to 50% of space and energy consumption per TB.



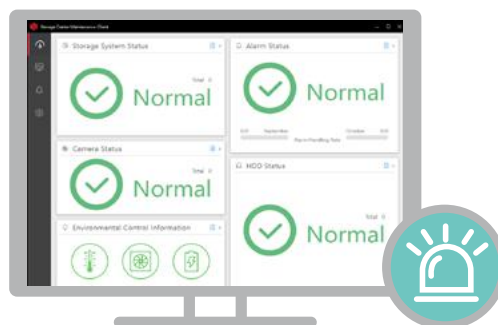
SAFE AND RELIABLE

Hikvision's iRAID storage technology adds to data security. While traditional RAID stops working when three hard drives fails, 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 Series

		DS-AT1000S/240	DS-AT1000S/320	DS-AT1000S/480
Model				
Performance	Video (2 Mbps)	256-ch	256-ch	400-ch
Controller	Processor	64-bit multi-core processor		
	Cache	12 GB (expandable to 32 GB)		16 GB (expandable to 32 GB)
Storage	HDD slot	16	16	24
	Interface	SATA		
	Capacity	20 TB for each disk		
	RAID	iRAID		
	Disk	Disk detection pre-alarm and repair		
	Logical volume	Recording volume management		
Recording	Recording type	Continuous, manual, and alarm recording		
	Video protection	Video lock, video loss alarm		
	Search and download	Log in storage system to search, play, and download videos. Supports searching videos by time, event type, and smart information		
Maintenance & Management	Management method	GUI based on web, serial port CLI, platform		
	Alarm mode	Audio, Indicator, GUI		
Network	Protocol	RTSP, ONVIF, HKSDK		
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 Professional, iVMS-4200		
Authentication		CE, FCC, UL		

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Distributed by



Around the world, more and more Internet of Things (IoT) devices get connected, reaching billions in total number* and producing tremendous amount of data every day. How to manage data storage on such a massive scale? That's where Hikvision's Super Capacity Storage comes in.

*As estimated by IHS Market in https://cdn.ihs.com/www/pdf/IoT_ebook.pdf

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