DS-A72 Series Enterprise Network Storage

Introduction

The DS-A72 series is the high-performance and high-reliability enterprise-class storage solution, offering 4 to 8 Gbps bandwidth and large-scale storage space. With dual 64-bit multi-core processors, reliable structure and RAID 6 technology, the product meets requirements of high performance and strictly ensures data security.

Features and Functions

High-performance and Scalable Hardware Platform

- Modular design.
- Dual 64-bit multi-core processor.
- 8 to 128 GB high-speed cache.
- SAS2.0 and PCI-E2.0.
- 4U chassis, 24 HDDs.
- Four to eight 1000M network interface, supporting SAS cascading, scalable 10G network interface.

HDD Detection and Repair/RAID Optimization

- Detection before operation.
- Detection in operation.
- Fault repair.
- RAID 0, 1, 3, 5, 6, 10, 50, VRAID.
- Global and local hot spare.
- RAID of HDDs.
- Quick RAID building.
- Capability of cascading up to two storage enclosures behind a single SAS port.

Advanced Data Protection

- Synchronous backup of key information in system disk and HDD.
- RAID-based tamper-proof data technology.
- Auto data synchronization between devices.
- Volume clone technology.

Energy Efficient

- CPU load balance.
- Auto fan tuning.
- HDD sleeping.

User-Friendly UI

- Quick configuration
- Varied alarm management.
- SADP protocol supported.
- SNMP supported.

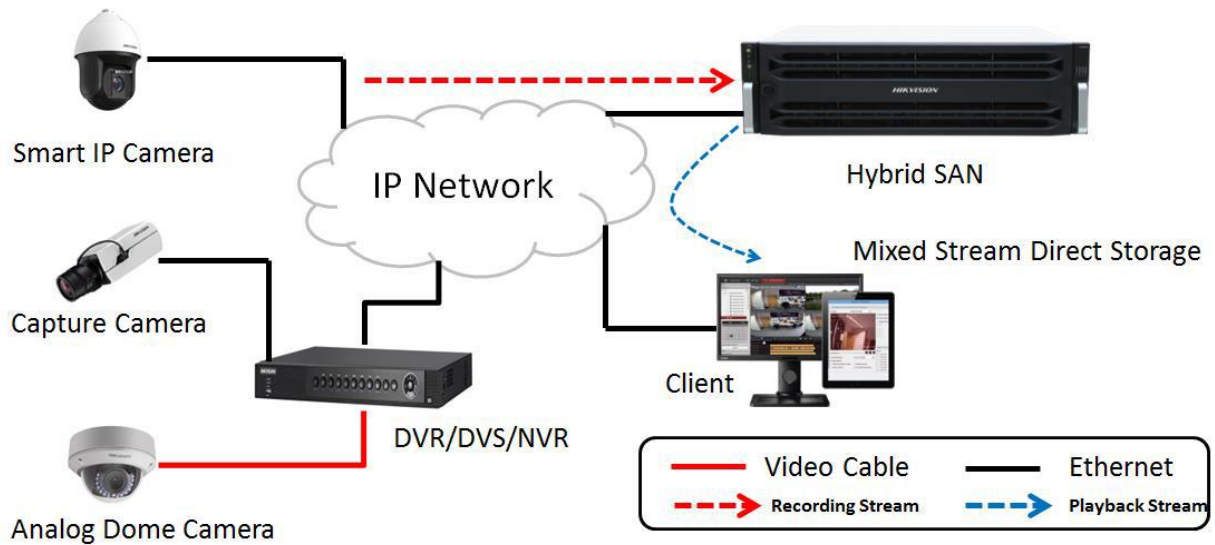**Video Security Specialized Stream Media Direct Storage (Direct Streaming Mode)**

- Space pre-allocation strategy.
- Direct storage for video and picture streams.
- Supports direct IP camera/DVR/NVR streaming and recording.
- Supports camera access through RTSP, ONVIF, and PSIA protocol.
- Supports alarm/scheduled/manual recording.
- N+1 technology.
- Automatic network replenishment (ANR), timely uploading, and video loss alarm.
- Lock key videos.
- VRAID data protection.
- Supports both Direct Streaming Mode and IPSAN Mode.
- Search, play, and download videos by video type or video time.

Specifications

Model		DS-A72024R
Performance	Recording mode: video (2 Mbps) + picture	820-ch recording + playback
Controller	Processor	Dual 64-bit multi-core processor
	Cache	8 GB (extendable to 128 GB)
Storage	HDD slot	24
	Interface/capacity	SATA/1 TB, 2 TB, 3 TB, 4 TB, 6 TB, 8 TB, 10 TB, 12 TB, 14TB, 16TB
	Hot-swapping	Supported
	RAID	RAID 0, 1, 3, 5, 6, 10, 50, VRAID, JBOD, hot spare, support Hard RAID card
Network	Protocol	iSCSI, RTSP, ONVIF, PSIA
External interface	Data	4, 1000M Ethernet interface (extendable to 4 × 1GbE or 4 × 10GbE)
	Management	1, 100M Ethernet interface
	SAS	Supported
	COM	1, for HyperTerminal or UPS
	USB	4
	VGA	1
General	Power supply	Redundancy (1 + 1)
	Consumption (with HDDs)	● Operating: ≤ 410 W (1398 BTU with 24 HDDs) Rated: ≤ 875 W
	Temperature	● Operating: 5 °C to 35 °C (41 °F to 95 °F) ● Storing: -20 °C to +70 °C (-4 °F to +158 °F)
	Humidity	● Operating: 20% to 80% RH (non-condensing/frozen) ● Storing: 5% to 90% RH (non-condensing/frozen)
	Chassis	19-inch 4U
	Dimensions (W × D × H)	484mm x724 mm x 174mm
	Weight (without HDDs)	≤ 40 kg (88.2 lb)

Typical Application

Available Models

DS-A72024R

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