

Surveon NVR5408 Series

64-ch Best Cost-efficient Storage NVR

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NVR5408 Series Overview

Product Advantages

Technical Information



NVR5408 Series Overview

Best Cost-efficient Storage-Server
Affordable budget with excellent performance
RAID function storage-server NVR

Max. 64 CH
Recording
Up to 5MP or above

Surveon Enterprise
VMS



SurveOne
Web-based easy system
management UI

IDR for Ultimate
Data Protection

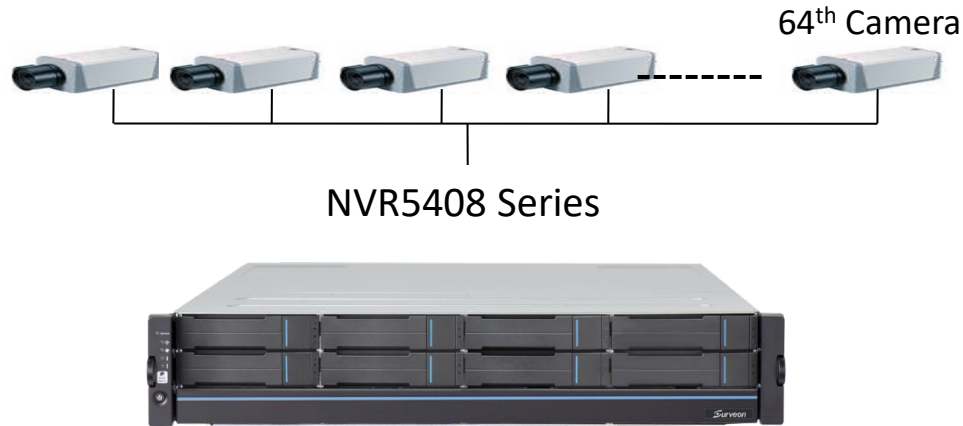
Support Hot-swappable
HDD in 2U 8 bay

Up to 308 HDDs with
JBOD Expansion

Product Advantages

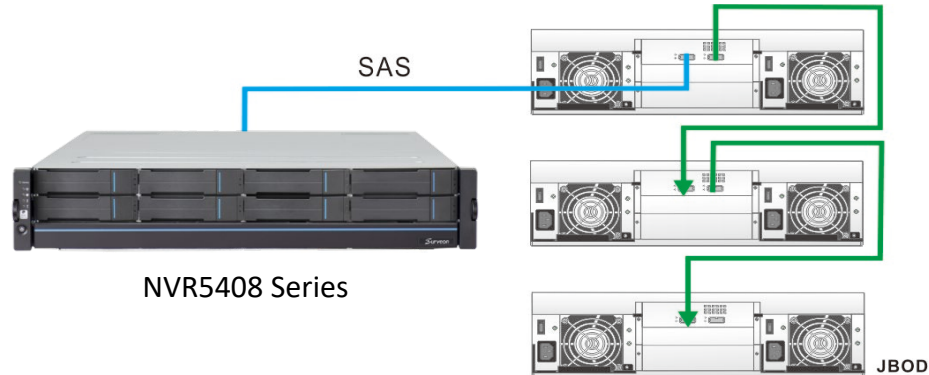
Excellence Performance

- Support up to **64-channel** cameras continuous recording.
- Recording **throughput of 384Mbps**, ensuring cameras to be recorded and viewed reliably.



Storage Expandability

- Local JBOD expansion with SAS HBA card (optional).
- Faster read/write performance and better stability.
- Support **14x JBOD 2U 12-Bay (total 176HDDs) / 5x JBOD 4U 60-bay (total 308HDDs)** two options.
- Provide flexibility to easily expand number of retention days with large capacity.



Multi-functional Combination

- The **Server + Storage design** provides high integration with other devices for system stability.
- Easy installation without the need to add card or internal cable connection.
- Built-in H/W RAID1, 5, 6, 1+Spare, 5+Spare, 6+Spare

RAID Storage built-in Server



NVR5408



Server



Legacy Server + RAID card

RAID Card



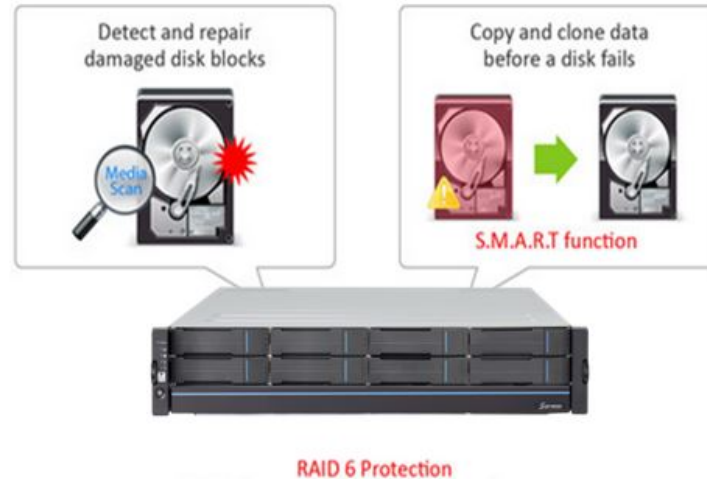
Intelligent Drive Integrity (IDR)

- **Data corruption prevention**

- Smart data recovery mechanism: Detect and recover bad blocks

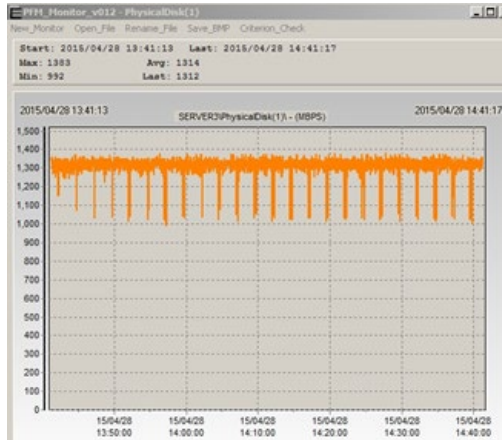
- **Drive rebuild prevention**

- Failing drive prediction: Copy and Clone data before a disk fails

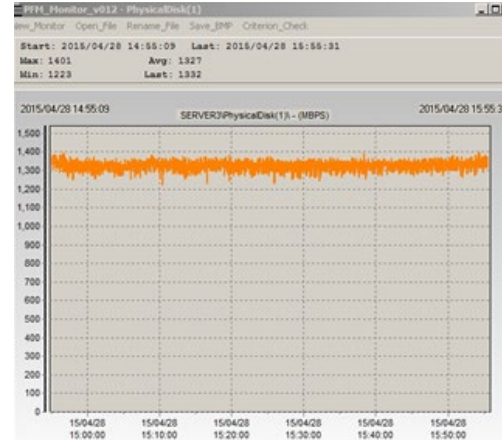


Ensure Smooth Performance

- **Patented read/write technology** to guarantee performance during drive IO delay
- **Isolate the abnormal drive** to maintain system stability



Conventional

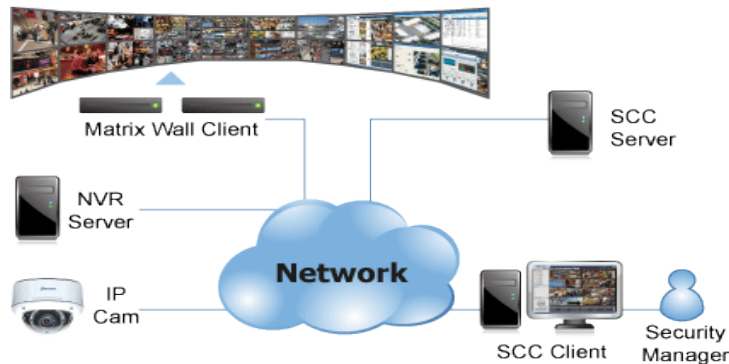


Surveon

Enterprise Video Management

- **Built-in video analytics** and active alarm system for optimized surveillance.
- **Multi-access** makes management simple and flexible.
- **Centralized management** and **TV wall** matrix for large-scale projects.

Multi-Access & Centralized Management



Active Alarm System

- Support VA notifications to ensure rapid and accurate decisions.

Real-time Video Analytics & Notifications



Alarm Rules Settings



Real-time Video Analytics

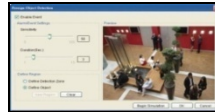
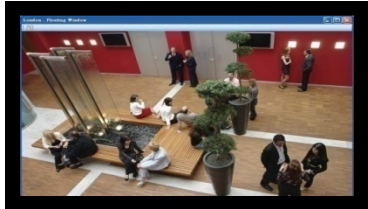


VA Management

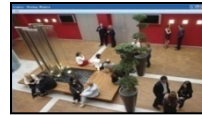


Support real-time VA notifications and labels

Real-time Event Notifications



Triggered event
popups videos

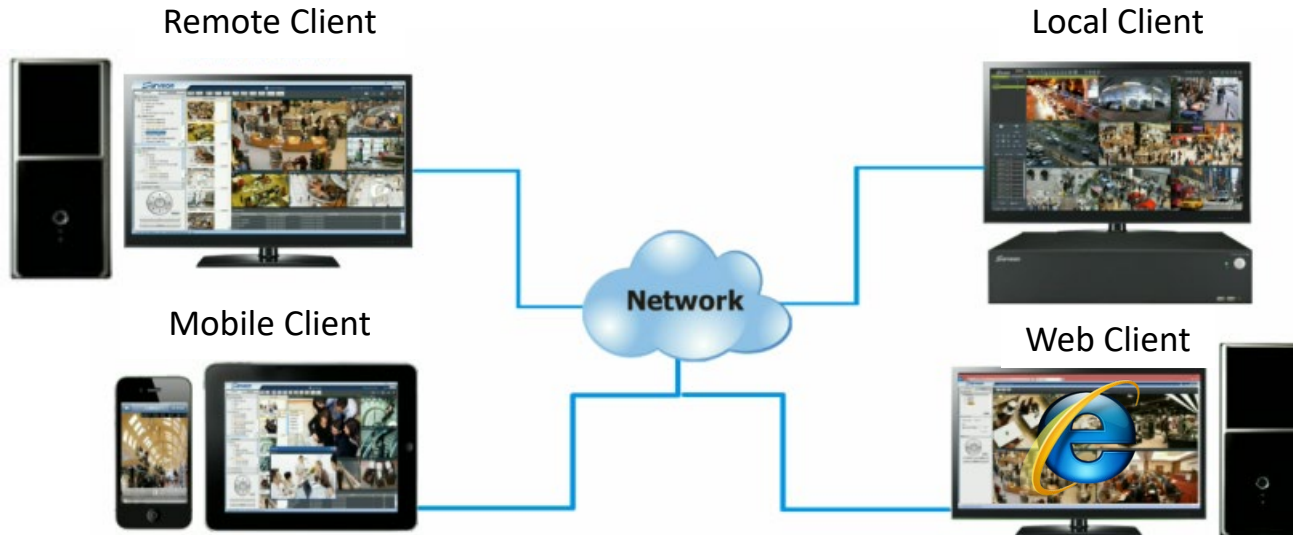


When an event is triggered, the monitors will switch to display its surrounding images



Multi-Access for Easy Surveillance

- Support **all clients** live view, live audio, real time event alert, pan/tilt/zoom operations, digital I/O management , video Intelligence and more.
- Mobile client supports **iOS/Android** platform.



Surveon Control Center (CMS)

- Scalable and powerful **TV Wall** solution.
- Unlimited cameras connection with **hundreds of cameras** simultaneous live views support from multiple NVRs.
- Built-in CMS centralized management.
- Direct matrix client panel to manage and live view TV matrix.



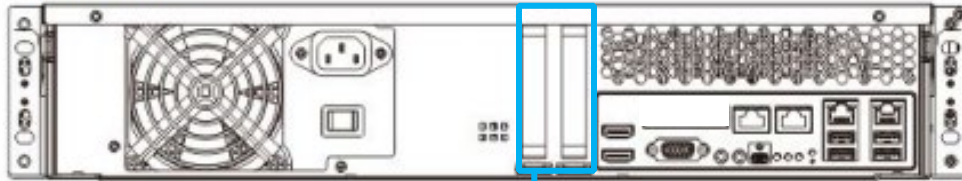
- An exclusive **web-based management tool** at no cost
 - NVR/camera real-time system status overview and monitoring
 - NVR/camera configuration copy, restore and backup
 - NVR/camera real-time event log information
 - Easy to check the status in a browser by using HTTP



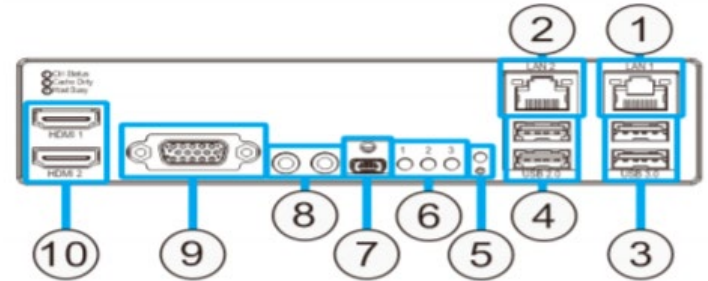
Technical Information

Hardware Overview

NVR5408



11 SAS HBA card port



- | | |
|----|---|
| 1 | 1x 1 Gb/s Ethernet |
| 2 | 1x 1 Gb/s Ethernet (WOL) |
| 3 | 2 x USB 3.0 |
| 4 | 2 x USB 2.0 |
| 5 | 1x Reset to default button |
| 6 | 3x Status LED |
| 7 | 1x miniUSB (Debug only) |
| 8 | 1x 3.5 mm microphone and headphone jack |
| 9 | 1x D-Sub VGA (Res: 1920 x1080@60Hz) |
| 10 | 2x HDMI (Res: 1920 x1080@60Hz) |

Specifications

Series	Enterprise
Model	NVR5408E1
Architecture	Client-Server
Form Factor	RackMount
IP Channel Number	16 - 64
HDD Number	8x SATA
RAID	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare
Storage Expansion	iSCSI/NAS/JBOD
Hot-Swappable	V
Cableless Design	NA
Modules Design	NA
Server Processor	Intel® Core i3 Dual Core 3.5GHz
System Memory	DDR3 8GB
Video Intelligence	Max. 16ch
Local Live View	V
Video Output	1x VGA, 2x HDMI
USB Port	4
LAN Port	2x Gigabit
Power Consumption	460W
Redundant Power	NA
Chassis	2U 8-bay Rack

Camera Support Capability

- For models supported by NVR5408 Series, visit [Surveon Support Camera List](#)



www.surveon.com
sales@surveon.com



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