Surveon NVR7300 Series

128-ch Mission Critical Storage NVR

Surveon
Complete Megapixel Solutions

Content

NVR7300 Series Overview

Product Advantages

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NVR7300 Series Overview

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Data Protection with Spare Drive

Max. 128CH Recording
Up to 5MP or above

Up to 316HDDs with JBOD Expansion

Server-storage design
Cost-effective performance with Linux platform and RAID function for stable system integration

SurveOne
Web-based easy system management

Surveon Enterprise VMS

Reliability
Cableless design + hot swappable redundant power for low maintenance efforts

Product Advantages

Excellence Performance

- Support up to **128-channel** cameras continuous recording.

- The system results in a high level of recording **throughput of 768Mbps** in total, ensuring cameras to be recorded and viewed reliably.

128th Camera

NVR7300 Series

768Mbps
Throughput
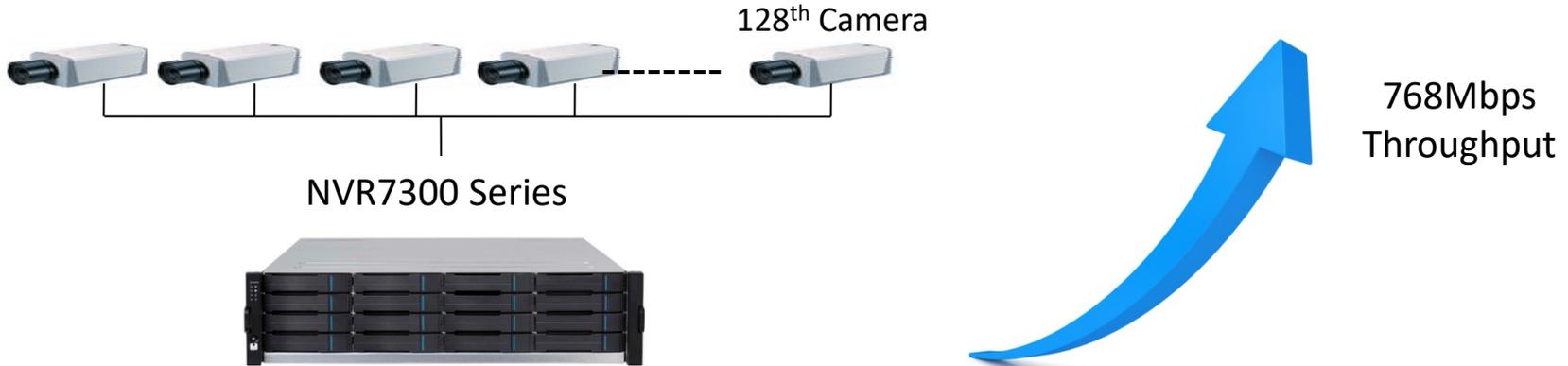
Storage Expandability

- Local JBOD expansion with SAS port connections; faster read/write performance and better stability.

- Support **14x JBOD 3U 16-bay** (total 240HDDs) or **5x JBOD 4U 60-bay** (total 316HDDs) two options.

- Provide flexibility to easily expand number of retention days with large capacity.

SAS

NVR7316

JBOD
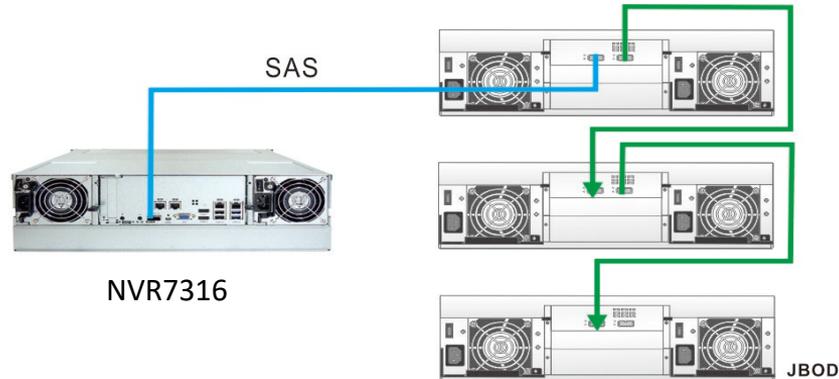
Multi-functional Combination

- 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 **Non-RAID, 1, 5, 6, 5 + Spare, 6 + Spare**

RAID Storage built-in Server

Server

RAID Card

NVR7316

Legacy Server + 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
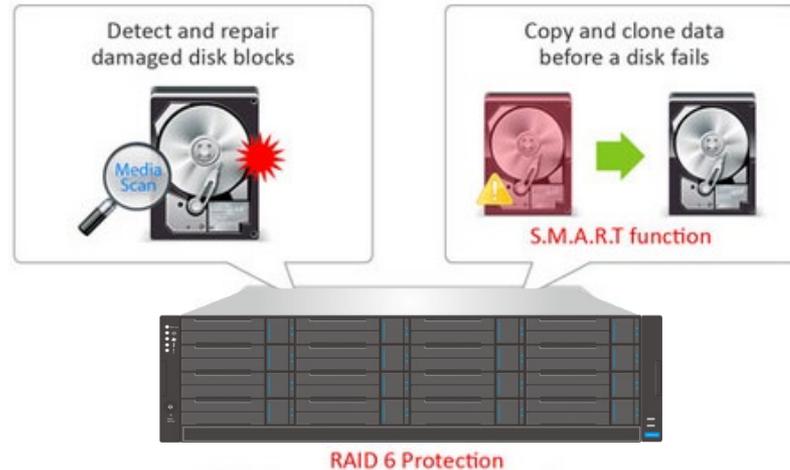
Ensure Smooth Performance

- **Patented read/write technology** to guarantee performance during drive IO delay

- **Isolate the abnormal drive** to maintain system stability
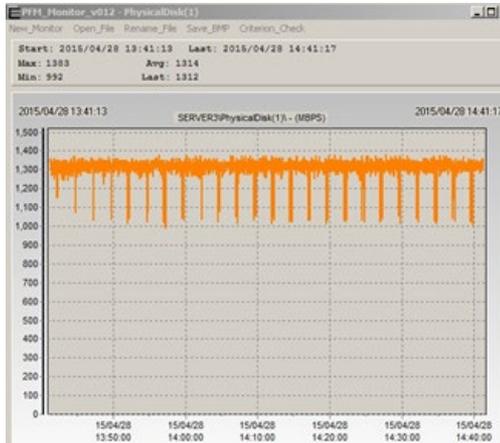
Conventional
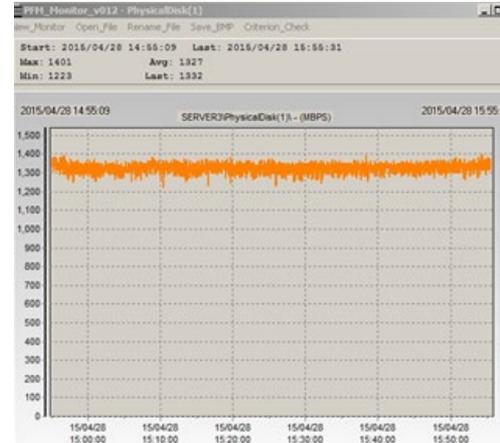
Surveon

Cableless Design

- No internal RAID card cable connection allows for easy deployment.

- Prevent accidental disconnections or loose cables.

- Low maintenance **modular design**.
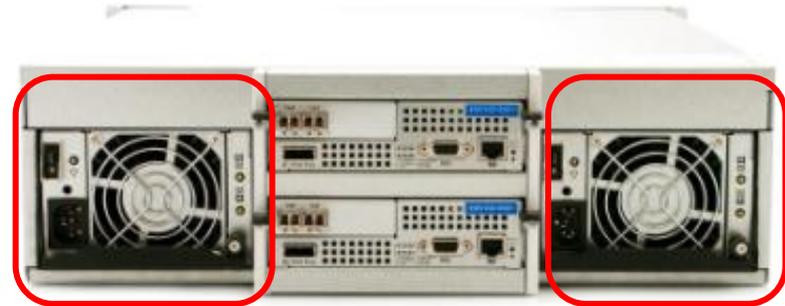
Enterprise Video Management

- **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
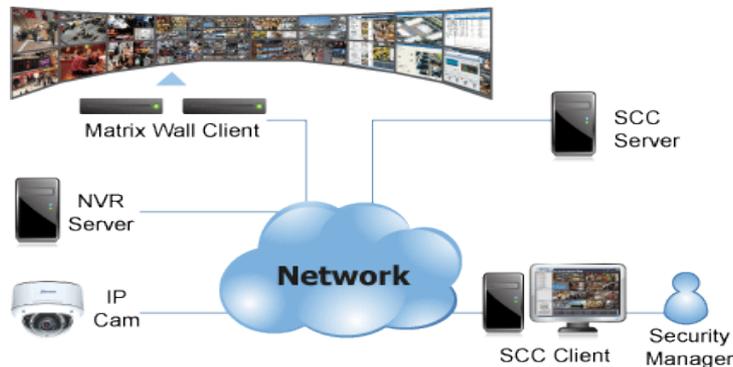
Active Alarm System

- 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/Window** platform.

Remote Client

Local Client

Mobile Client

Web Client

Network
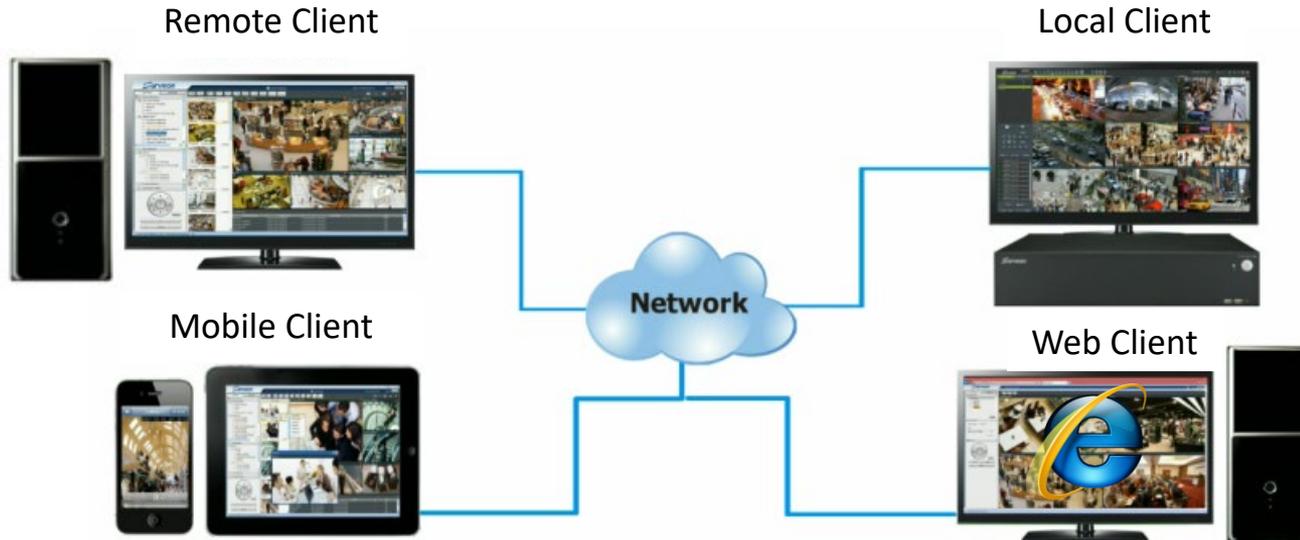
Surveon Control Center (CMS)

- 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.

SurveOne – Easy System Management
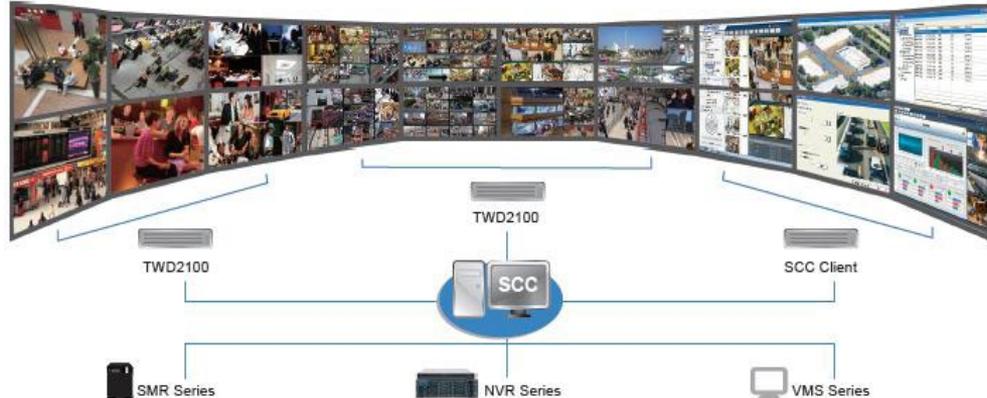
- An exclusive **web-based management tool** at no cost

  - ➢ 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

Specifications

	NVR7312	NVR7316
Position	Corporate Series Megapixel NVR	
Architecture	Client-Server	
CPU	Intel® Xeon E3 Quad Core 3.2GHz	
Channels	32, 48, 64, 96, 128	
Throughput	768 Mbps	
Max. VA	16	
HDD Bays	12	16
RAID	Non-RAID, 1, 5, 6, 5+Spare, 6+Spare	
I/O Interface	RJ-45 Gigabit Ethernet x2 (default), up to 4 x GbE port (optional); USB 2.0 x 2 (rear); USB 3.0 x2 (rear); VGA x 1; HDMI x 2; Mic. In port x1; Speaker out port x 1	
Dedicated Hardware Design	Cableless, Modularized	
Power Supply	Dual Redundant PSU (460W)	
Dimensions	(H)88.00mm x (W)447.40mm x (L)524.41mm	130.0(H) x 447.4(W) x 524.4(D) mm
Display	VGA x 1, HDMI x 2	
SCC (CMS)	Yes	
Operating System	Linux	
Warranty	3 Years	

NVR7312

NVR7316
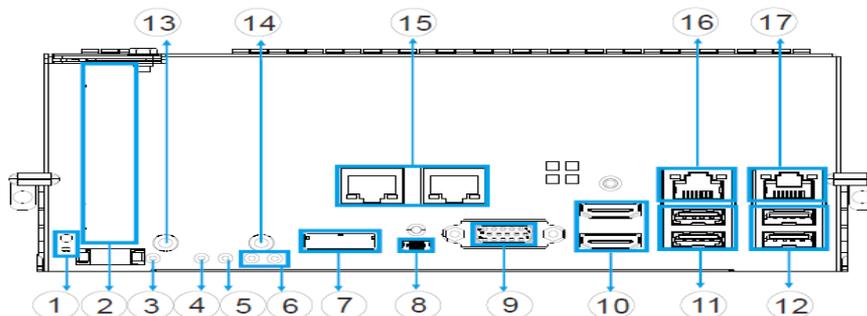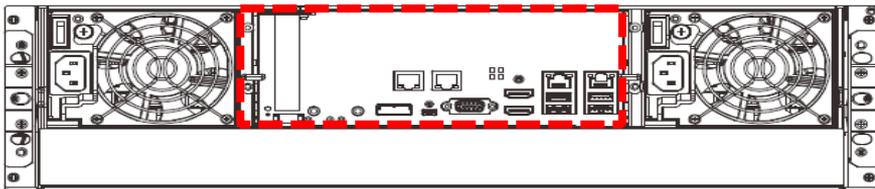
|			
1	Default reset button & LED	10	HDMI
2	PCI-E expansion	11	USB 2.0
3	Controller status LED	12	USB 3.0
4	Cache Dirty LED (type II)	13	3.5mm microphone jack
5	Host Busy LED	14	3.5mm headphone jack
6	Reserved LEDs (type I)	15	1 Gb/s Ethernet (optional)
7	6Gb/s SAS expansion	16	1 Gb/s Ethernet (support Wake On LAN)
8	miniUSB COM	17	1 Gb/s Ethernet
9	D-Sub VGA		

Camera Support Capability

- For models supported by NVR7300 Series, visit Surveon Support Camera List

Ask Surveon

www.surveon.com

sales@surveon.com
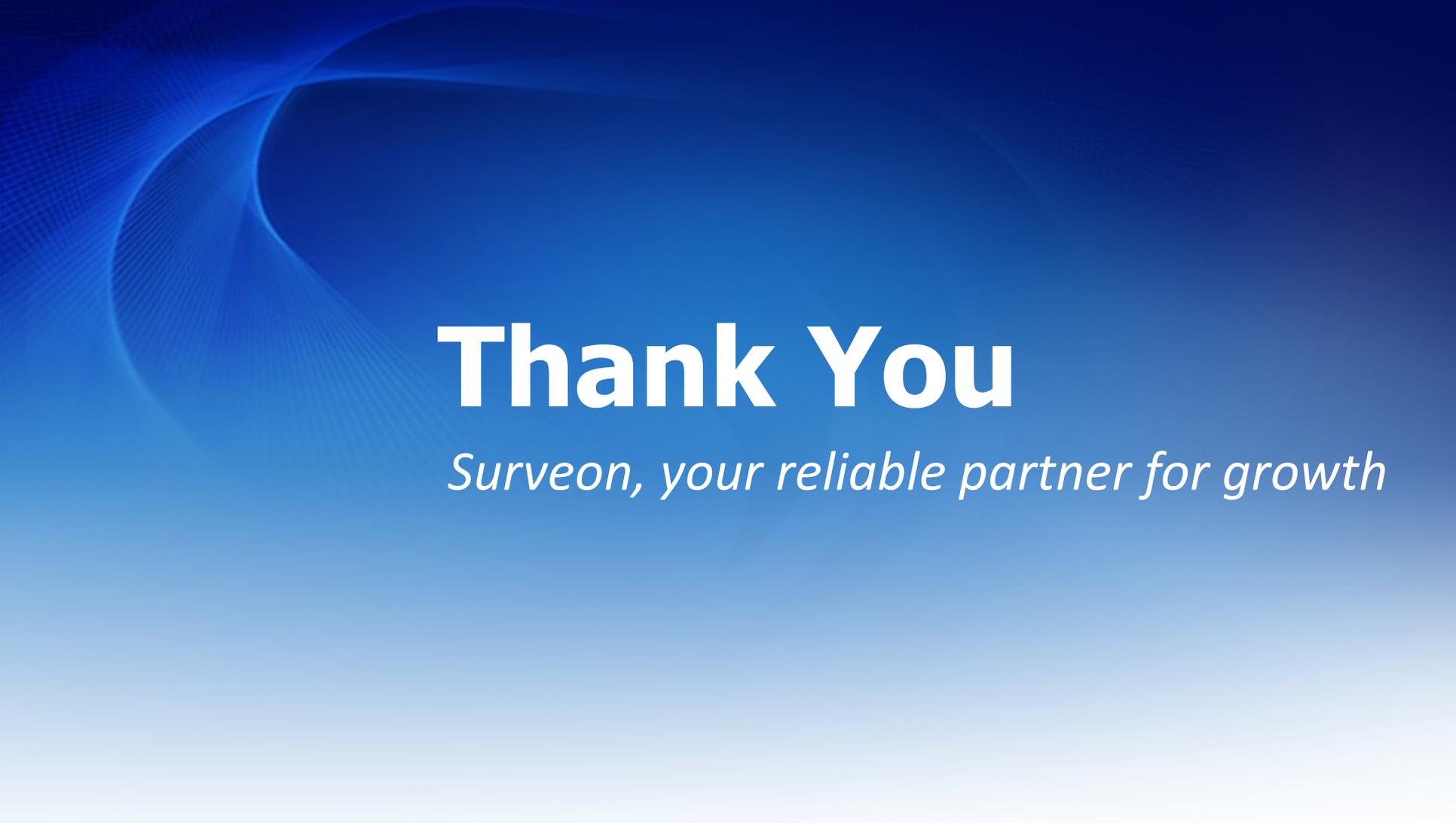
Thank You

Surveon, your reliable partner for growth