

Surveon NVR3304 Series Introduction

32ch Best C/P High Effective NVR

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NVR3304 Series Overview

Product Advantages

Technical Information



NVR3304 Series Overview

- **32ch Best C/P High Effective NVR**
 - Up to **32ch 5MP recording** with 4-bay hard disks and **RAID 1, 5, 6** data protection
 - **iSCSI / NAS** storage expansion
 - **12 video analytics** embedded VMS with **web-based SurveOne** system management tool
 - **Dual display** for easy twofold management
 - **Dual usages support:** desktop and rackmount
 - Recommended applications: **SMB, retail, healthcare, education**



Desktop



Rackmount

Product Advantages

NVR3304 Series Advantages



Enterprise Design

Enterprise Design

- High Throughput
- Storage Expansion via iSCSI
- Dual Display & Multiple Access
- Built-in 12 Video Analytics
- SurveOne
- Sphone (Mobile Client)



Data Protection

Data Protection

- Failover Solution
- Triple Data Protection
- Backup / Archive to Storage



High Reliability

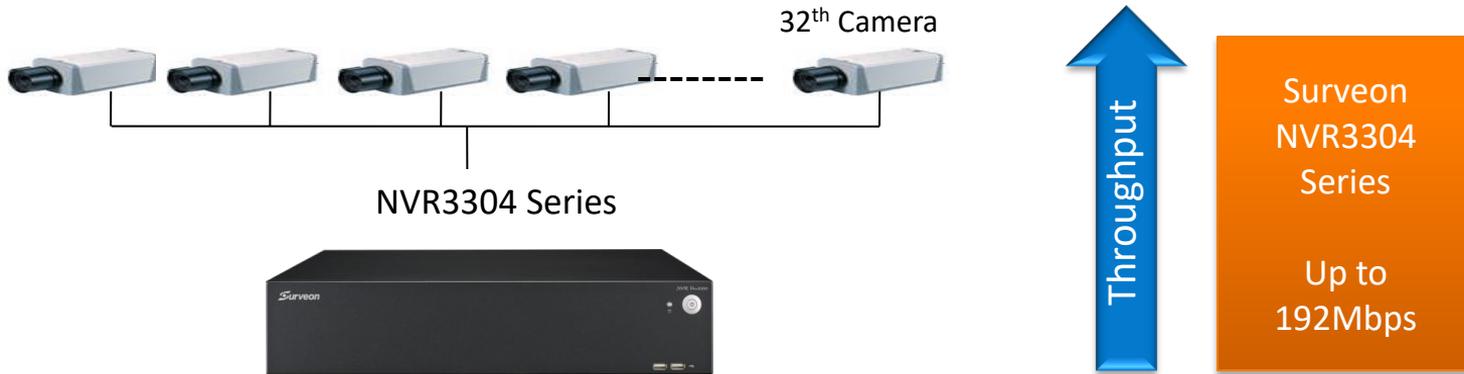
High Reliability

- Industrial-grade Component
- 2-year Warranty



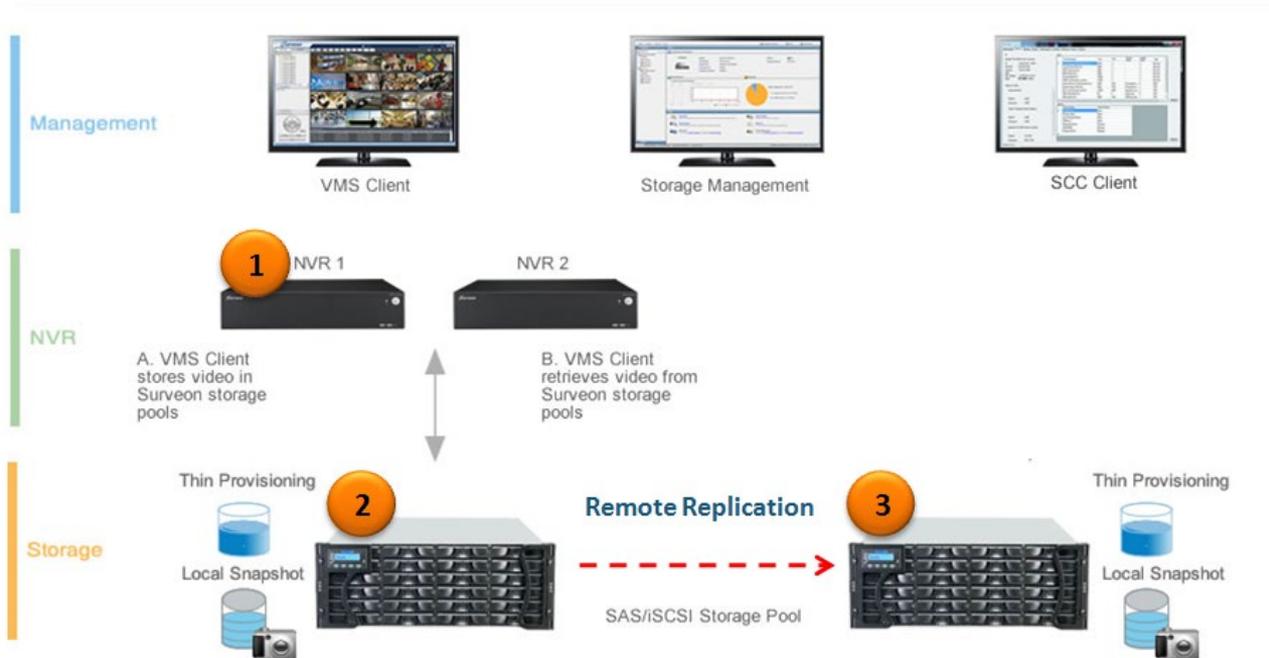
High Throughput

- Support up to **32-channel** 5MP cameras continuous recording.
- The system results in a high level of **recording throughput up to 192Mbps**, ensuring cameras to be recorded and viewed reliable.



- Recording to iSCSI / NAS Storage

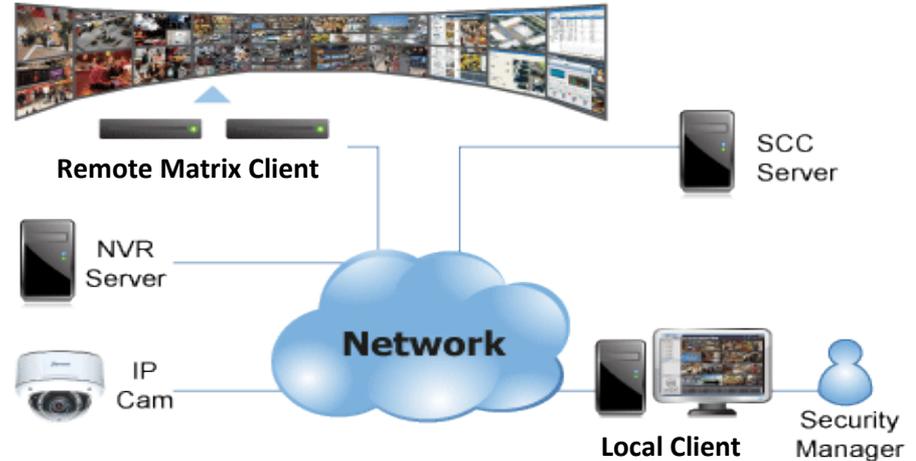
- For data backup or recording purpose, use iSCSI / NAS to expand the volume of storage.



- Built-in **dual display** to monitoring **locally and remotely**.
- Simple and flexible management from **local client, remote client, mobile client, and web client**.



Dual Display



Multiple Client Access

Category	VA by NVR
Intrusion	<ul style="list-style-type: none"> Intrusion Detection Forbidden Area Detection Virtual Fence Object Motion Detection Camera Motion Detection
Investigation	<ul style="list-style-type: none"> Missing Object Detection Foreign Object Detection
Tracking	<ul style="list-style-type: none"> Fisheye Auto Tracking Tailgating Detection Going Out Detection
Counting	<ul style="list-style-type: none"> People / Vehicle Counting
Abnormality for Camera	<ul style="list-style-type: none"> Tampering Detection



Forbidden Area Detection



Tailgating Detection



Missing Object Detection



People / Vehicle Counting



Going Out Detection



Object Motion Detection

- **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
 - Batch upgrade for Camera FW, IP and configuration revision





Sphone (Mobile Client)

- **iOS / Android platform**

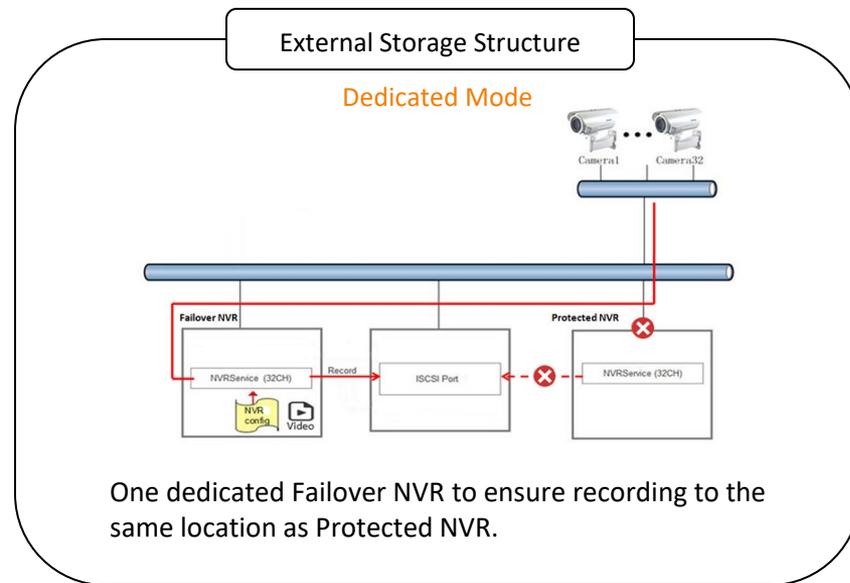
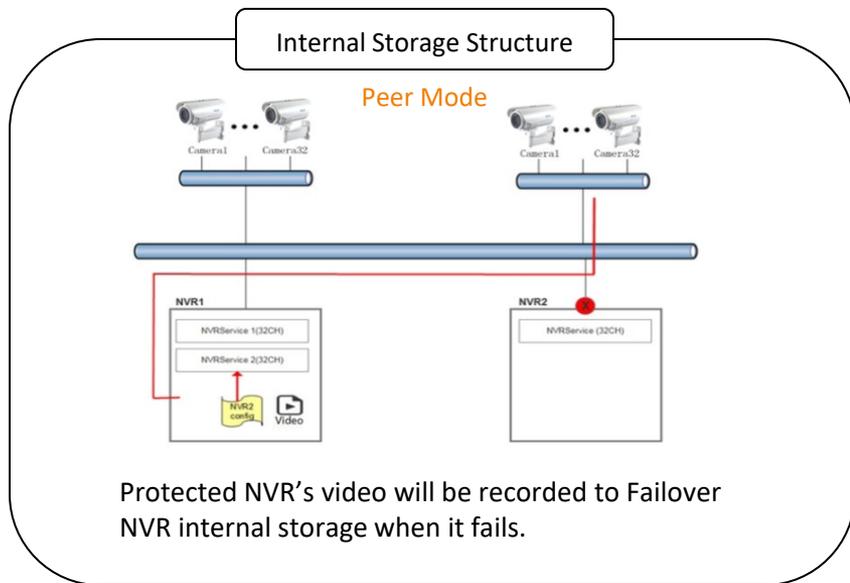
- Preset up to 20 NVRs on the server list (64-ch / server) for large scale surveillance
- Live view by full screen in 1080P (Stream 1) or 2x3 screens and snapshot
- Playback & PTZ Control (Zoom in / out and Preset)
- Check camera info, including IP address, resolution, fps and bit rate
- Check DI / DO status





Failover Solution

- Allow recording to be continued by **Failover NVR** within the system.
- One or more NVRs can take over other protected NVRs under various system structures.
- **No spare NVR needed.** Failover can share the licenses of camera.





Triple Data Protection (1/2)

1 Protection



- RAID Protection
- Intelligent Driver Integrity (IDR)



2 Protection



- Archiving to Storage
- Easy Setting



3 Protection



- Local Replication by Snapshot & Volume Copy / Mirror
- Remote Replication



Triple Data Protection (2/2)

- **RAID protection**

- **Built-in RAID 1, 5, 6** to provide volume mirror and storage capacity for data integrity and long retention period.

RAID Level Comparison Table

RAID Level	Min. HDD	Storage Capacity*	Data Protection
RAID 1	2	½ N HDD	Best
RAID 5	3	N-1 HDD	Medium
RAID 6	4	N-2 HDD	High

*N is the HDD installed in Surveon NVR



Industrial-grade Component

- **More stable performance:** featured with improved signal sensitivity, or greater tolerance to electrical noise.
- **Reliable quality:** certified with ISO 9001 & ISO 14001 via full operation line.
- **Longer product life cycle:** exist for more than 10 years in many cases.



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Technical Information

NVR3304 Specifications

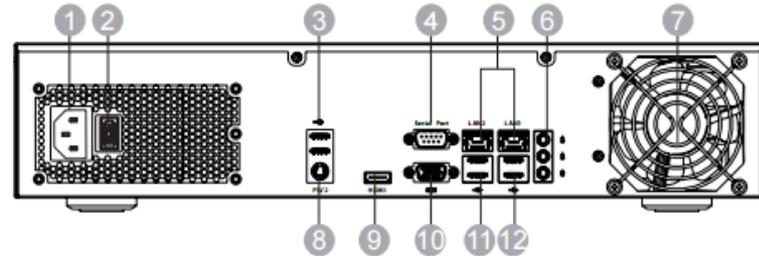
NVR3304	
Position	Professional Megapixel NVR
Form Factor	All-in-one Desktop
CPU	Intel Core i3
Channel	16 – 32
Recording Throughput	192 Mbps
Max. VI	8
HDD	4
Storage Expansion	Yes (NAS/iSCSI)
RAID	Non-RAID, 1, 5, 6
I/O Interface	2x Gigabit Ethernet 8x USB2.0 1x VGA, 1x HDMI
Power Supply	250W
Dimensions	88(H) x 430(W) x 390(D) mm
Display	Dual Monitors
Surveon Control Center (CMS)	Yes
Operating System	Linux
Warranty	2 Years

NVR3304 Front Panel



- 1 Power Button
- 2 HDD Status Indicator
- 3 USB Port x2

NVR3304 Rear Panel



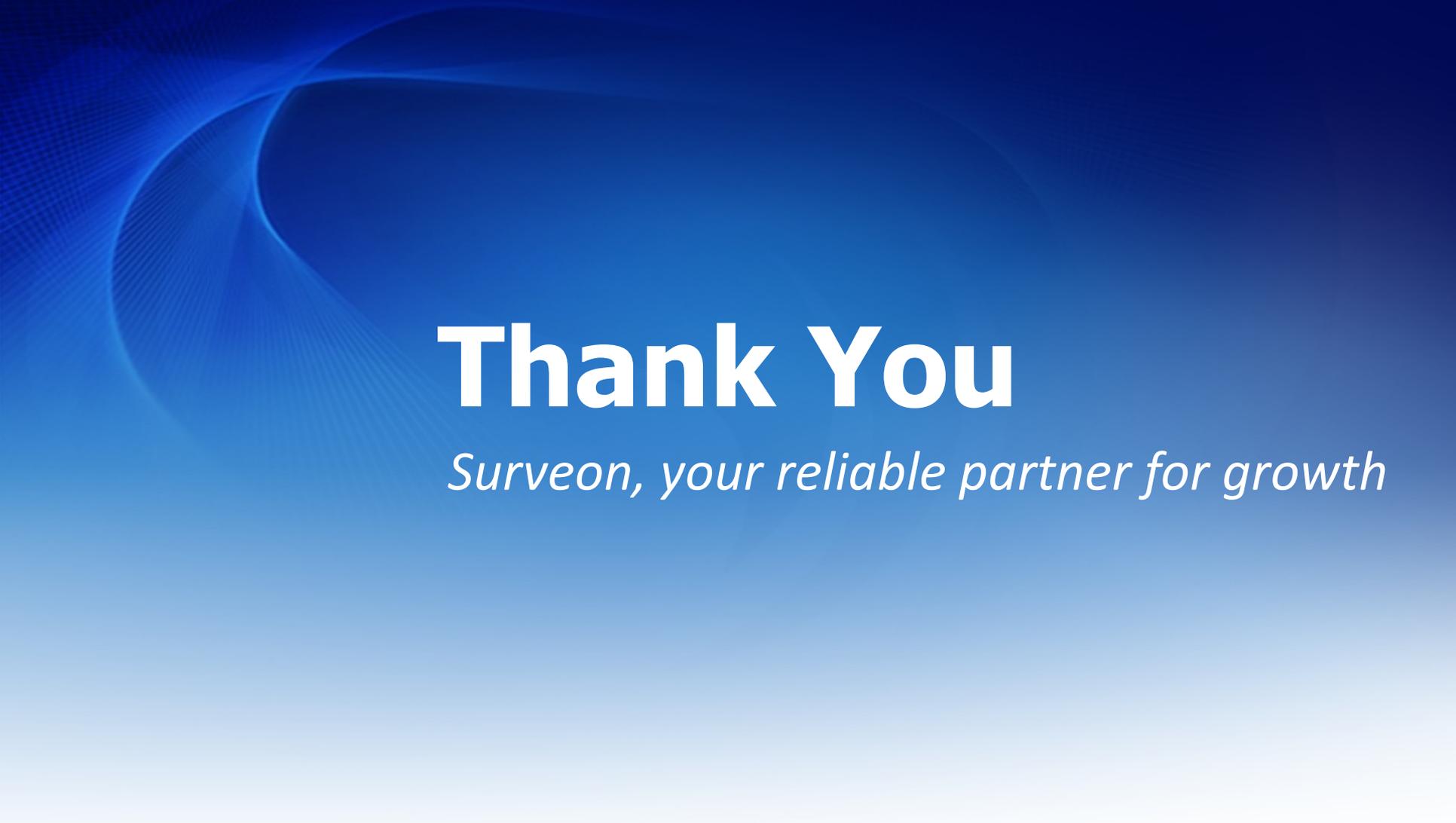
- | | | |
|----------------|-----------------------------|----------------|
| 1 Power Socket | 5 LAN Port | 9 HDMI Port |
| 2 Power Switch | 6 Line-In, Line-Out, Mic-In | 10 VGA Port |
| 3 USB Port x2 | 7 Fans | 11 USB Port x2 |
| 4 Serial Port | 8 PS/2KB/MS Port | 12 USB Port x2 |

Camera Support Capability

- For models supported by NVR3304, visit [Surveon Support Camera List](#)



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