

Surveon NVR Selection

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How to Select a Suitable NVR

Surveon NVR Selector

Surveon NVR Introduction

Appendix 1: NVR Series Overview

Appendix 2: Technical Information



How to Select a Suitable NVR

Prerequisite to Consider

- Here are some factors to take into account when selecting a suitable NVR:

By Specification Requirement

- Specifications such as camera quantity & recording days , like 16CH/30days or 32CH/90days or 64CH/180days...

By Storage Expansion

- Whether it needs for extra storage space or data backup support via storage expansion (SAS JBOD/iSCSI RAID/NAS...)

By Project Site Scale

- System architecture with All-in-One Server or Client-Server NVR on the sites

By Vertical Applications

- Retail/Transportation/Banking/City Surveillance and more

By Specification Requirement

- Select based on the project requirement on camera quantity and recording days, such as **support 16CH/32CH/64CH/128CH cameras or recording days for 7/30/90/180/365 days.**

Example 1.

- 32-channel Full HD recording
- Bit rate: 4mbps
- 24H recording
- 14 days



NVR3304

Example 2.

- 96-channel Full HD recording
- Bit rate: 4mbps
- 24H recording
- 180 days

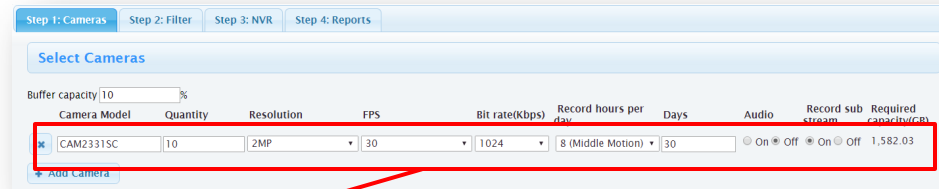


NVR5416

Surveon NVR Selector (Step 1)

- Take a few steps to specify a suitable NVR for your projects on www.surveon.com/NVRSelector/NVRSelector

Step 1 : Enter the details of cameras.



The screenshot shows the 'Step 1: Cameras' tab of the NVR Selector interface. A table lists camera configurations. The first row is highlighted with a red box and a red arrow pointing to the 'For Example:' text below. The table has the following columns: Camera Model, Quantity, Resolution, FPS, Bit rate(Kbps), Record hours per day, Days, Audio, Record sub stream, and Required Capacity. The first row contains the following values: CAM2331SC, 10, 2MP, 30, 1024, 8 (Middle Motion), 30, On (radio selected), Off (radio selected), On (radio selected), Off (radio selected), and 1,582.03.

Camera Model	Quantity	Resolution	FPS	Bit rate(Kbps)	Record hours per day	Days	Audio	Record sub stream	Required Capacity		
CAM2331SC	10	2MP	30	1024	8 (Middle Motion)	30	On	Off	On	Off	1,582.03

For Example:

Camera Model: CAM2331SC

Quantity: 10

Resolution: 2MP

FPS: 30

Bit Rate(Kbps): 1024

Record Hours Per Day: 8

Days: 30

Audio: Off

Record Sub Stream: On

Surveon NVR Selector (Step 2)

Step 2 : Fill in the NVR requirements in Filter section

Step 1: Cameras **Step 2: Filter** Step 3: NVR Step 4: Reports

Select NVR Options

RAID type : Non RAID RAID 1 RAID 5 RAID 6

Disk capacity : 2TB 3TB 4TB 5TB 6TB 8TB

Filter type : Quick Filter Features Filter

Categories : Series Type Channel Budget Site

Series : Professional Enterprise Corporate

Total camera quantity: 10

Camera total bit rate: 1536 Kbps

Storage original capacity: 1582.03 GB

Storage buffer capacity: 158.20 GB

Storage total capacity: 1740.23 GB

Filter type : Quick Filter Features Filter

Series : Professional Enterprise Corporate

External storage sub system : JBOD None

External storage bay : 12Bay 16Bay 60Bay

Redundant power supply : Yes No

Hot-Swappable : Yes No

Local display : Yes No

Dual monitor : Yes No

Filter:
RAID Type: RAID 5
Disk Capacity : 4TB
Filter Type*: Quick Filter
Categories: Series
Series: Enterprise

* If you have more specific requirements such as storage expansion, please click **Features Filter**

Surveon NVR Selector (Step 3)

Step 3 : The tool will list suggested NVRs to you. Select one or more NVRs and next.

Step 1: Cameras Step 2: Filter **Step 3: NVR** Step 4: Reports

Select NVR Configuration

Select	NVR Quantity	NVR Model	Storage Head Quantity	Storage Head Model	Storage JBOD Quantity	Storage JBOD Model	Model Description(NVR / Head / JBOD)	Spare Storage Capacity(TB)	Spare Channels
<input type="checkbox"/>	<input type="text" value="1"/>	NVR5416A1-64	<input type="text" value="0"/>		<input type="text" value="0"/>		64 CH, 16 Bay Megapixel RAID NVR, Duo LAN, Local Display, w/ Enterprise VMS, Real Time VI, Smart Search, Web Client, Mobile Client, Central Management via SCC //	56.82	54.00
1 <input checked="" type="checkbox"/>	<input type="text" value="1"/>	NVR5416A1-96	<input type="text" value="0"/>		<input type="text" value="0"/>		96 CH, 16 Bay Megapixel RAID NVR, Duo LAN, Local Display, w/ Enterprise VMS, Real Time VI, Smart Search, Web Client, Mobile Client, Central Management via SCC //	56.82	86.00
<input type="checkbox"/>	<input type="text" value="1"/>	NVR5412E1-16	<input type="text" value="0"/>		<input type="text" value="0"/>		16 CH, 12 Bay Megapixel RAID NVR, Duo LAN, Local Display, w/ Enterprise VMS, Real Time VI, Smart Search, Web Client, Mobile Client, Central Management via SCC //	41.57	6.00
<input type="checkbox"/>	<input type="text" value="1"/>	NVR5412E1-24	<input type="text" value="0"/>		<input type="text" value="0"/>		24 CH, 12 Bay Megapixel RAID NVR, Duo LAN, Local Display, w/ Enterprise VMS, Real Time VI, Smart Search, Web Client, Mobile Client, Central Management via SCC //	41.57	14.00
<input type="checkbox"/>	<input type="text" value="1"/>	NVR5412A1-16	<input type="text" value="0"/>		<input type="text" value="0"/>		16 CH, 12 Bay Megapixel RAID NVR, Duo LAN, Local Display, w/ Enterprise VMS, Real Time VI, Smart Search, Web Client, Mobile Client, Central Management via SCC //	41.57	6.00

Previous 1 2 3 4 5 **6** 7 Next

← Previous 2 Next →

Surveon NVR Selector (Step 4)

Step 4 : Fill the details of your project and contact info. Click **Export Configuration** and email to Surveon for further product assistance.

* Email Address :
Skype ID :
Country :
Project Detailed Description:

Bill of Materials

Qty	Model	Storage Head Quantity	Storage Head Model	Storage JBOD Quantity	Storage JBOD Model	Model Description(NVR / Head / JBOD)
1	NVR5416A1-96	0		0		96 CH, 16 Bay Megapixel RAID NVR, Duo LAN, Local Display, w/ Enterprise VMS, Real Time VI, Smart Search, Web Client, Mobile Client, Central Management via SCC //

Final Configuration

Cameras:

Camera Model	Quantity	Resolution	hours	Days	Audio	Record sub stream
CAM2331SC	10	2MP		7	Off	On

NVR:

Qty	Model	Storage Head Quantity	Storage Head Model	Storage JBOD Quantity	Storage JBOD Model	Model Description(NVR / Head / JBOD)
1	NVR5416A1-96	0		0		96 CH, 16 Bay Megapixel RAID NVR, Duo LAN, Local Display, w/ Enterprise VMS, Real Time VI, Smart Search, Web Client, Mobile Client, Central Management via SCC //

Export As...

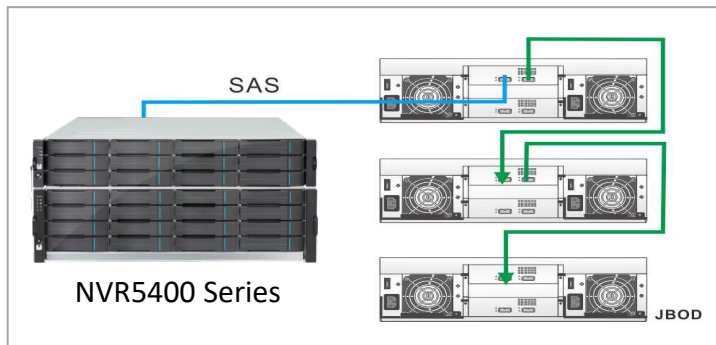
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By Storage Expansion via JBOD

- **Local Expansion with JBOD**

- For longer data retention days, use local expansion with JBOD via SAS port to increase more storage capacity.

Local expansion with simple cable connections



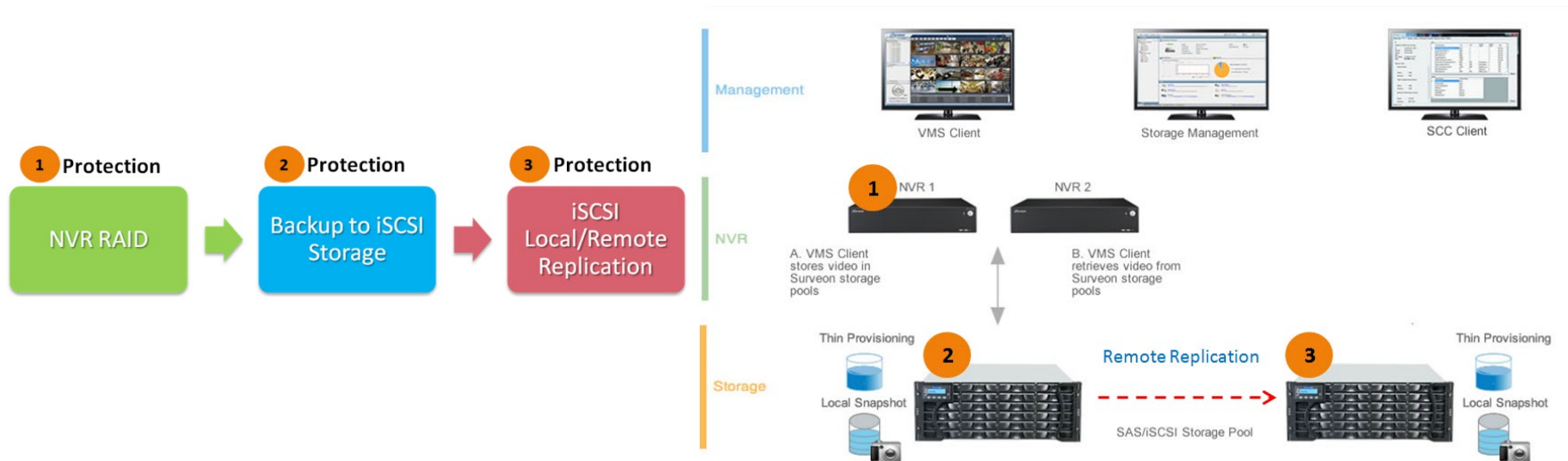
Recommended Models



By Storage Expansion via iSCSI

- **Backup to iSCSI Storage**







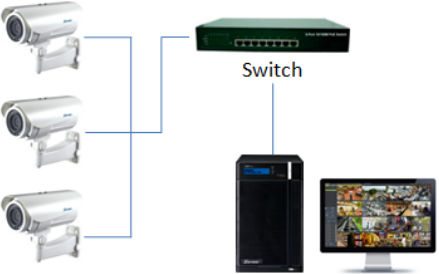
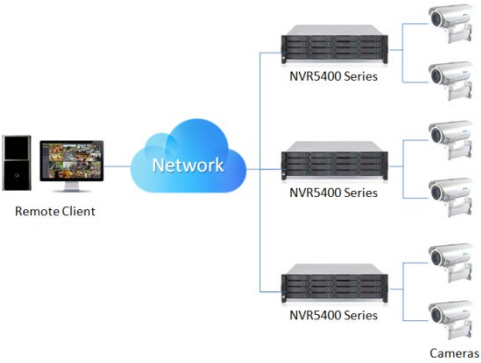
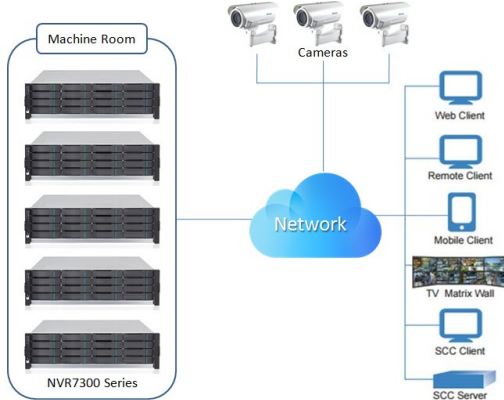
- For data backup or recording purpose, use iSCSI Storage to guarantee no video loss by triple data protection mechanism.
- This powerful feature is applicable to all Surveon NVRs.



By Project Site Scale

Project Site	Single Site	Multiple Site
Suggested Architecture	All-in-One	Client-server
Recommended Type of NVR	Desktop/Tower NVR	Rack-mount NVR
Advantages	Save money and room for NVR	With scalability and good for centralized management
System Diagram	<p>Cameras</p> <p>Switch</p> <p>SMR8300 Series</p> <p>One Server in Single Site</p>	<p>Machine Room</p> <p>Cameras</p> <p>Network</p> <p>Web Client</p> <p>Remote Client</p> <p>Mobile Client</p> <p>TV Matrix Wall</p> <p>SCC Client</p> <p>SCC Server</p> <p>NVR7300 Series</p> <p>Multiple Client-Servers in Multiple Sites</p>

By Vertical Applications

Project Scale	Entry to Mid-range Projects	Mid-large Projects	Mission-critical Projects
Vertical Markets	SMBs, Healthcare, Intelligent Buildings, Restaurant, Retail	Education, Transportation, Commercial, Industrial, Logistics, Harbor, Residential, Traffic	Banking, Airport, Casino, Government, City Surveillance, Critical Infrastructures
Suggested NVR Solutions	  <p>SMR Series NVR3000 Series</p>	  <p>NVR5400 Series Cloud NVR</p>	  <p>NVR2100 Series NVR7300/7800 Series</p>
System Diagram	<p>One Server in Single Site</p>  <p>Cameras Switch SMR8300 Series</p>	<p>Multiple Client-Servers in Single Sites</p>  <p>Remote Client Network NVR5400 Series Cameras</p>	<p>Multiple Client-Servers in Multiple Sites</p>  <p>Machine Room Cameras Network Web Client Remote Client Mobile Client TV Matrix Wall SCC Client SCC Server</p> <p>NVR7300 Series</p>

Surveon NVR Introduction

NVR Product Segment

Professional Economical

Desktop Standalone RAID NVR



SMR2110/5110/8300 &
NVR3000 Series

4 – 64 Channels
2/4/5/8 HDD
For Entry to Mid-Range Projects

Enterprise Standard

NVR Server + Subsystem Storage



NVR2100 Series

16 – 64 Channels
Up to 240 HDD
For Enterprise Projects

Corporate Mission-Critical

NVR Storage Server (3-in-1)



NVR5400/7300/7800 Series

16 – 150 Channels
Up to 316 HDD
For Mission-Critical Projects

Cloud-integrated Scalable

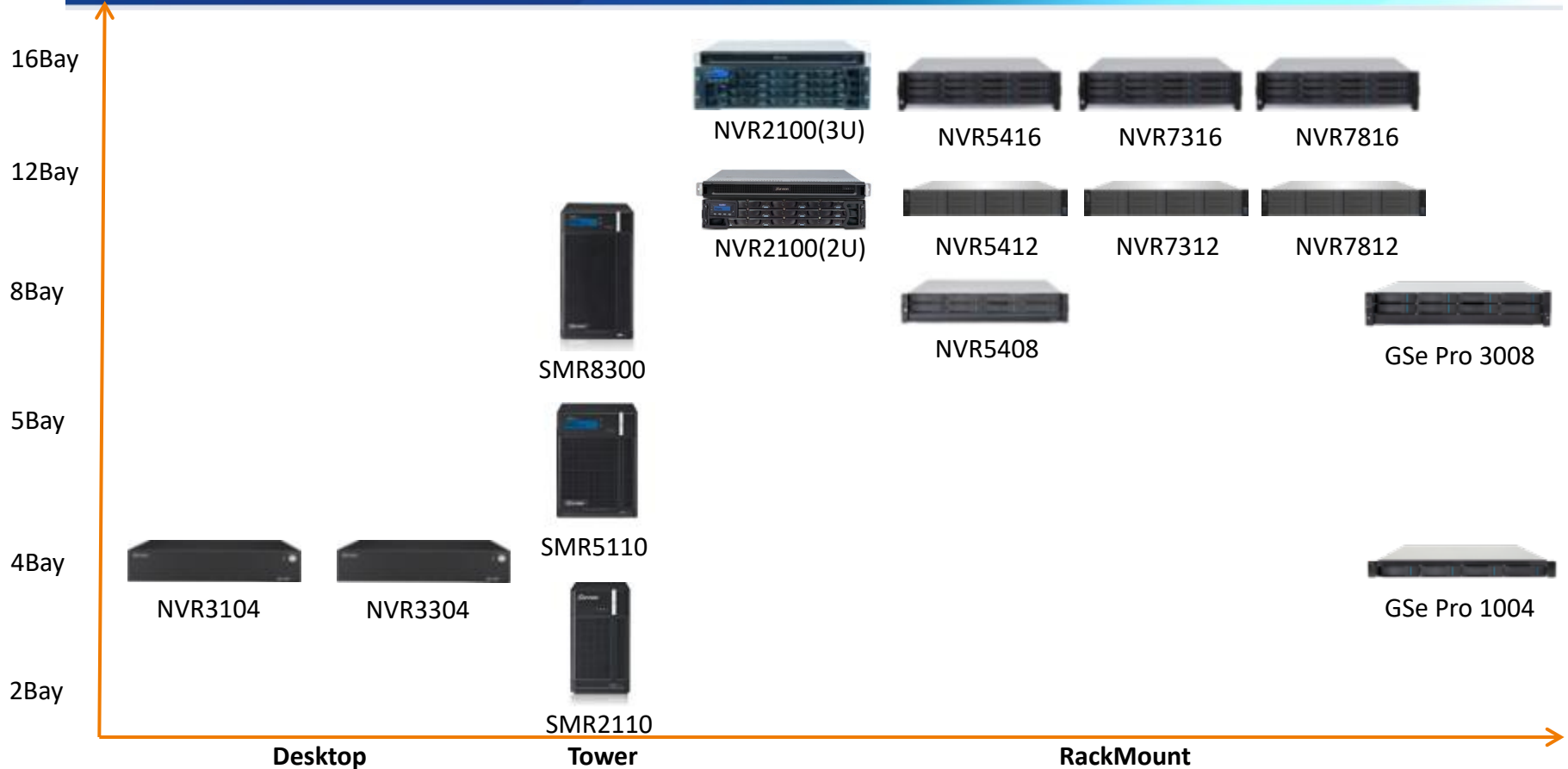
NVR License + Cloud-integrated
Unified Storage



EonStor GSe Pro 1004/3008 Series

16 – 64 Channels
Up to 428 HDD
For A Variety of Projects

NVR/SMR Product Line Map



Product Comparisons

Architecture	All-in-One		Client-Server				Server + Subsystem Storage
Model	SMR Series	NVR3000 Series	Cloud NVR	NVR5400 Series	NVR7300 Series	NVR7800 Series	NVR2100 Series
Recording Days	7-30 days	7-30 days	365+ days	180 days	365+ days	365+ days	365+ days
Channel Number	4-64 CH	4-32 CH	16-64 CH	16-96 CH	64-128 CH	Based on VMS	16-64 CH
Storage Expansion	iSCSI/NAS	iSCSI/NAS	JBOD	iSCSI/NAS/JBOD	iSCSI/NAS/JBOD	iSCSI/NAS/JBOD	iSCSI/SAS
RAID	RAID 1, 5, 6	RAID 1, 5, 6	RAID 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60
Failover Function	NA	V	NA	V	V	Based on VMS	NA
Hot-Swappable	V	NA	V	V	V	V	V (Storage)
Cableless Design	NA	NA	NA	NA	V	V	V (Storage)
Modules Design	NA	NA	V	NA	V	V	V (Storage)
Redundant Power	NA	NA	V	NA	V	V	V (Storage)
Price Position	Economy	Economy	Middle-range	Middle-range	High End	High End	High End
Suitable application	SMBs, Healthcare, Intelligent Buildings, Restaurant, Retail		Education, Transportation, Commercial, Industrial, Logistics, Harbor, Residential, Traffic		Banking, Airport, Casino, Government, City Surveillance, Critical Infrastructures		

Appendix 1: NVR Series Overview

SMR Series Overview

- **Highly Reliable All-in-One Tower NVR**

- Support up to 64-ch megapixel recording (up to 5MP or above)
- Support hot-swappable hard disks with compact design
- Built-in RAID 1, 5, 6 for data protection
- Built-in Enterprise VMS with video analytics and active alarm system
- Support SurveOne, the exclusive web-based easy system management tool
- Recommended applications: **banking, education, retail, healthcare, industrial and transportation**

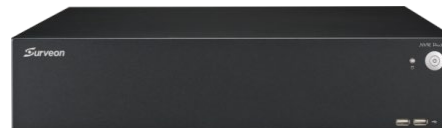
SMR2110/ SMR 5110/ SMR 8300
Tower NVR Series



NVR3000 Series Overview

- **Best Cost-effective & Scalable Performance NVR**
 - Support up to 32-ch megapixel recording (up to 5MP or above)
 - Support up to 8-bay SATA Hard Disk
 - Built-in RAID 1, 5, 6 for data protection
 - Built-in Enterprise VMS with video analytics and active alarm system
 - Support SurveOne, the exclusive web-based easy system management tool
 - All-in-one desktop form factor, rack mountable design
 - Recommended applications: **SMBs, retail, healthcare, logistics and intelligent buildings**

NVR3104 / NVR3304
Professional Megapixel NVR



NVR5400 Series Overview

- **96-ch Best C/P Value Mission Critical Server-storage NVR**
 - Up to 316 HDDs with JBOD Expansion
 - Data Protection with Spare Drive
 - Built-in Enterprise VMS with video analytics and active alarm system
 - Support SurveOne, the exclusive web-based easy system management tool
 - Affordable budget with excellent performance
 - Recommended applications: **city surveillance, education, industrial, commercial and residential**

NVR5416
Enterprise Megapixel NVR



NVR7300 Series Overview

- **128-ch Mission Critical Server-storage NVR**

- Up to 316 HDDs with JBOD Expansion
- Data Protection with Spare Drive
- Cableless design + hot swappable redundant power for low maintenance efforts
- Built-in Enterprise VMS with video analytics and active alarm system
- Support SurveOne, the exclusive web-based easy system management tool
- Cost-effective performance with Linux platform and RAID function for stable system integration
- Recommended applications: **banking, casino, airport and government**

NVR7316
Corporate Megapixel NVR



NVR7800 Series Overview

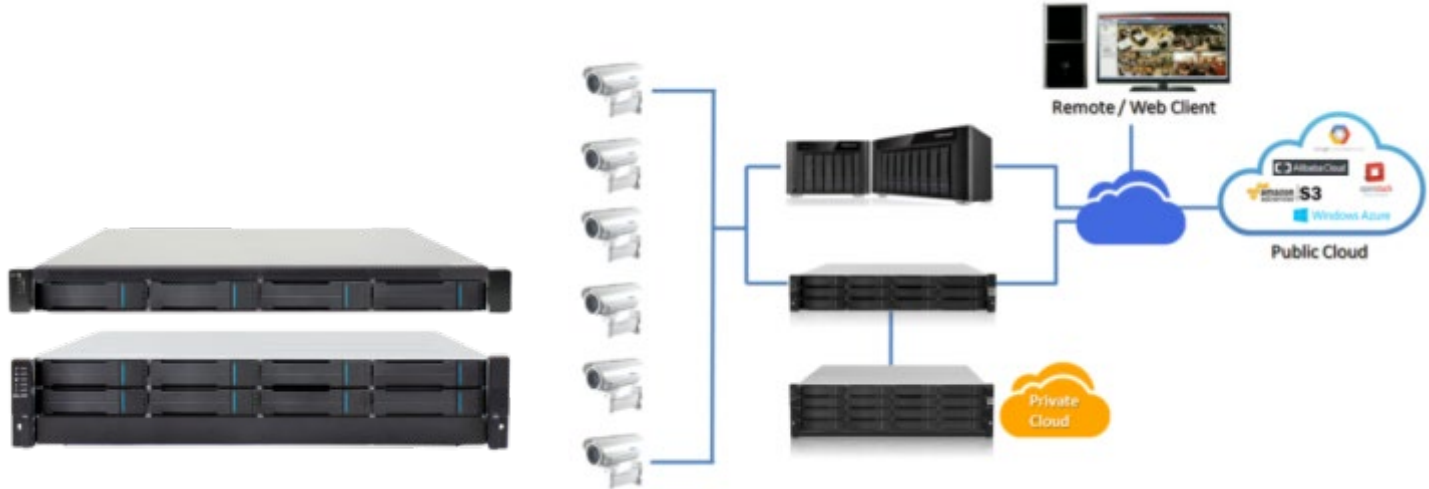
- **Milestone VMS Pre-loaded Server-storage NVR**
 - Maximum 150-ch megapixel recording (up to 3MP for nearly 2000 Mbps)
 - Up to 316 HDDs with JBOD Expansion
 - Cableless design + hot swappable redundant power for low maintenance efforts
 - Cost-effective performance with built-in H/W RAID function for stable system integration
 - User-friendly GUI: Easy setup and storage monitoring
 - Recommended applications: **banking, casino, airport**

NVR7800 Series
Corporate Megapixel NVR



Cloud NVR Solutions Overview (1/2)

- **Surveon Enterprise NVR with Infortrend Cloud Storage**
 - Native with Surveon NVR advantages of **enterprise design, data protection, and high reliability.**
 - Support wide range cloud services for both **private and public cloud.**
 - Powerful **data services** and rich built-in easy IT networking **applications.**



GSe Pro 1004 / 3008
Corporate Megapixel NVR

- **Data Protection & Long-time Recording**

- **12Gb/s SAS connection** for **JBOD** expansion
up to 428 HDDs for years recording.
- Built-in **Infotrend patent RAID** with **Intelligent Drive Integrity (IDR)** for prevention of data corruption and drive rebuild.
- Support **iSCSI (SAN/NAS)** expansion for data backup or recording purpose.

- **SAN, NAS & Cloud in Single System**

- One storage supports **NAS, SAN, DAS, cloud, and NVR function.**
- **File sharing** across multiple operating systems, including Windows, Linux, and Mac OS.
- **Data can be directly written to block level storage** with unique technology and architecture.

Appendix 2: Technical Information

2/4/5-Bay NVR

Series	Professional			Cloud NVR	Professional
Model	SMR2110P	NVR3104P1	NVR3304E1	GSe Pro 1004-16	SMR5110P
Architecture	All-in-One	All-in-One	All-in-One	Client Server	All-in-One
Form Factor	Desktop	Desktop	Desktop	RackMount	Desktop
IP Channel Number	16 - 32	4 - 16	16 - 32	16	16 - 32
HDD Number	2x SATA	4x SATA	4x SATA	4x SATA	5x SATA
RAID	RAID 1	RAID 1, 5, 6	RAID 1, 5, 6	RAID 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60	RAID 1, 5, 6
Storage Expansion	iSCSI/NAS	iSCSI/NAS	iSCSI/NAS	NA	iSCSI/NAS
Hot-Swappable	V	NA	NA	V	V
Cableless Design	NA	NA	NA	NA	NA
Modules Design	NA	NA	NA	V	NA
Server Processor	Intel® Celeron Quad Core 2.0GHz	Intel® Celeron Dual Core 1.8GHz	Intel® Core i3 Dual Core 3.3GHz	Intel® Atom quadcore, 2.40 GHz	Intel® Celeron Quad Core 2.0GHz
System Memory	DDR3L 4GB	DDR3 2GB	DDR3 4GB	DDR3 4GB	DDR3L 4GB
Video Intelligence	Max. 4ch	Max. 4ch	Max. 8ch	NA	Max. 4ch
Local Live View	V	V	V	NA	V
Video Output	1x DVI-I	1x VGA, 1x HDMI, 1x DVI-D	1x VGA, 1x HDMI	NA	1x DVI-I
USB Port	4	6	8	4	4
LAN Port	1x Gigabit	1x Gigabit	2x Gigabit	4x Gigabit	1x Gigabit
Power Consumption	48W	250W	250W	250W	90W
Redundant Power	NA	NA	NA	V	NA
Chassis	Tower	Desktop/Rack	Desktop/Rack	1U 4-bay Rack	Tower

8-Bay NVR

Series	Enterprise			Cloud NVR
Model	SMR8300E	SMR8300A	NVR5408E1	GSe Pro 3008-32/64
Architecture	All-in-One	All-in-One	Client-Server	Client Server
Form Factor	Desktop	Desktop	RackMount	RackMount
IP Channel Number	16 - 32	16 - 64	16 - 64	32-64
HDD Number	8x SATA	8x SATA	8x SATA	8x SATA
RAID	RAID 1, 5, 6	RAID 1, 5, 6	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60
Storage Expansion	iSCSI/NAS	iSCSI/NAS	iSCSI/NAS/JBOD	JBOD
Hot-Swappable	V	V	V	V
Cableless Design	NA	NA	NA	NA
Modules Design	NA	NA	NA	V
Server Processor	Intel® Core i3 Dual Core 3.3GHz	Intel® Core i7 Quad Core 3.4GHz	Intel® Core i3 Dual Core 3.5GHz	Intel® Pentium-D quad-core, 1.60 GHz
System Memory	DDR3 4GB	DDR3 4GB	DDR3 16GB	DDR4 8GB/16GB
Video Intelligence	Max. 8ch	Max. 16ch	Max. 16ch	NA
Local Live View	V	V	V	NA
Video Output	1x VGA, 1x HDMI	1x VGA, 1x HDMI	1x VGA, 2x HDMI	NA
USB Port	6	6	4	4
LAN Port	2x Gigabit	2x Gigabit	4x Gigabit	4x Gigabit
Power Consumption	430W	430W	460W	250W
Redundant Power	NA	NA	NA	V
Chassis	Tower	Tower	2U 8-bay Rack	2U 8-bay Rack

12-Bay NVR

Series	Enterprise		Corporate				
Model	NVR5412E1	NVR5412A1	NVR2100	NVR7312Ex	NVR7312Ax	NVR7812Ex	NVR7812Ax
Architecture	Client-Server	Client-Server	Client-Server	Client-Server	Client-Server	Client-Server	Client-Server
Form Factor	RackMount	RackMount	RackMount	RackMount	RackMount	RackMount	RackMount
IP Channel Number	16-64	16-96	16 – 64	64 – 128	64 – 128	Based on VMS	Based on VMS
HDD Number	12x SATA	12x SATA	Up to 240 SATA	12x SATA	12x SATA	12x SATA	12x SATA
RAID	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 0, 1, 5, 6, 10, 50, 60, 1+Spare, 5+Spare, 6+Spare	RAID 0, 1, 5, 6, 10, 50, 60, 1+Spare, 5+Spare, 6+Spare
Storage Expansion	iSCSI/NAS/JBOD	iSCSI/NAS/JBOD	iSCSI/SAS	iSCSI/NAS/JBOD	iSCSI/NAS/JBOD	iSCSI/SAS/JBOD	iSCSI/SAS/JBOD
Hot-Swappable	V	V	V (Storage)	V	V	V	V
Cableless Design	NA	NA	V (Storage)	V	V	V	V
Modules Design	NA	NA	V (Storage)	V	V	V	V
Server Processor	Intel® Core i3 Dual Core 3.5GHz	Intel® Xeon E3 Quad Core 3.2GHz	Intel® Core i3 3.3GHz/Intel® Xeon 3.2GHz	Intel® Core i3 Dual Core	Intel® Xeon E3-1225/1275 Quad Core 3.2GHz	Intel® Core i3 Dual Core	Intel® Xeon E3-1225/1275 Quad Core
System Memory	DDR3 16GB	DDR3 16GB	DDR3 4GB	DDR3 16GB	DDR3 16GB	DDR3 8GB	DDR3 8GB
Video Intelligence	Max. 16ch	Max. 16ch	Max. 32ch	Max. 32ch	Max. 32ch	Based on VMS	Based on VMS
Local Live View	V	V		V	V	V	V
Video Output	1x VGA, 2x HDMI	1x VGA, 2x HDMI	1x VGA	1x VGA, 2x HDMI	1x VGA, 2x HDMI	1x VGA, 2x HDMI	1x VGA, 2x HDMI
USB Port	4	4	2	4	4	4	4
LAN Port	4x Gigabit	4x Gigabit	2x Gigabit	2x Gigabit	2x Gigabit	4x Gigabit	4x Gigabit
Power Consumption	460W	460W	350W	460W	460W	530W	530W
Redundant Power	NA	NA	V (Storage)	V	V	V	V
Chassis	2U 12-bay Rack	2U 12-bay Rack	1U 19" Rack	2U 12-bay Rack	2U 12-bay Rack	2U 12-bay Rack	2U 12-bay Rack

16-Bay NVR

Series	Enterprise		Corporate				
Model	NVR5416E1	NVR5416A1	NVR2100	NVR7316Ex	NVR7316Ax	NVR7816Ex	NVR7816Ax
Architecture	Client-Server	Client-Server	Client-Server	Client-Server	Client-Server	Client-Server	Client-Server
Form Factor	RackMount	RackMount	RackMount	RackMount	RackMount	RackMount	RackMount
IP Channel Number	16-64	16-96	16 – 64	64 – 128	64 – 128	Based on VMS	Based on VMS
HDD Number	16x SATA	16x SATA	Up to 240 SATA	16x SATA	16x SATA	16x SATA	16x SATA
RAID	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 1, 5, 6, 1+Spare, 5+Spare, 6+Spare	RAID 0, 1, 5, 6, 10, 50, 60, 1+Spare, 5+Spare, 6+Spare	RAID 0, 1, 5, 6, 10, 50, 60, 1+Spare, 5+Spare, 6+Spare
Storage Expansion	iSCSI/NAS/JBOD	iSCSI/NAS/JBOD	iSCSI/SAS	iSCSI/NAS/JBOD	iSCSI/NAS/JBOD	iSCSI/SAS/JBOD	iSCSI/SAS/JBOD
Hot-Swappable	V	V	V (Storage)	V	V	V	V
Cableless Design	NA	NA	V (Storage)	V	V	V	V
Modules Design	NA	NA	V (Storage)	V	V	V	V
Server Processor	Intel® Core i3 Dual Core 3.5GHz	Intel® Xeon E3 Quad Core 3.2GHz	Intel® Core i3 3.3GHz/Intel® Xeon 3.2GHz	Intel® Core i3 Dual Core	Intel® Xeon E3-1225/1275 Quad Core 3.2GHz	Intel® Core i3 Dual Core	Intel® Xeon E3-1225/1275 Quad Core
System Memory	DDR3 16GB	DDR3 16GB	DDR3 4GB	DDR3 16GB	DDR3 16GB	DDR3 8GB	DDR3 8GB
Video Intelligence	Max. 16ch	Max. 16ch	Max. 32ch	Max. 32ch	Max. 32ch	Based on VMS	Based on VMS
Local Live View	V	V		V	V	V	V
Video Output	1x VGA, 2x HDMI	1x VGA, 2x HDMI	1x VGA	1x VGA, 2x HDMI	1x VGA, 2x HDMI	1x VGA, 2x HDMI	1x VGA, 2x HDMI
USB Port	4	4	2	4	4	4	4
LAN Port	4x Gigabit	4x Gigabit	2x Gigabit	2x Gigabit	2x Gigabit	4x Gigabit	4x Gigabit
Power Consumption	460W	460W	350W	460W	460W	530W	530W
Redundant Power	NA	NA	V (Storage)	V	V	V	V
Chassis	3U 16-bay Rack	3U 16-bay Rack	1U 19" Rack	3U 16-bay Rack	3U 16-bay Rack	3U 16-bay Rack	3U 16-bay Rack

Camera Support Capability

- For models supported by NVR/SMR, please visit [Surveon Support Camera List](#)

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The background is a gradient of blue, transitioning from a darker blue at the top to a lighter blue at the bottom. On the left side, there are abstract, flowing lines and a grid pattern that create a sense of movement and depth.

Thank You

Surveon, your reliable partner for growth