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High Definition Network Video Recorder Server

Description

The Avigilon High Definition Network Video Recorder (NVR) server was designed to achieve the highest performance for high definition video recording and playback. It integrates into any Avigilon high definition surveillance system and scales from sites with a single NVR to large multi-building campuses with multiple NVRs.

The NVR has Avigilon Control Center High Definition Network Video Management Server software preloaded and configured for maximum performance and reliability. The NVR can record up to 32 MB/s of image data from up to 96 camera channels running at 30 image per second. Viewing of live or recorded image data and administering the NVR can be done remotely using Avigilon Control Center Client software.

The NVR has enterprise class reliability with a RAID 5 hard drive configuration and the option for redundant power supplies. In addition, both the hard drives and the power supplies are hot-swappable for online repairs. The NVR has up to a 10 TB effective recording capacity that is expandable using a HD-NVR-EXP storage expansion unit. All of this comes in a space saving 2U rack mount chassis.

Features

· Preloaded and configured with Avigilon Control Center High Definition Network Video Management Software

· Records up to 32 MB/s of image data

· Supports up to 96 camera channels

· Supports up to 30 images per second per camera channel

· RAID 5 hard drive configuration

· Up to 10 TB effective recording capacity (after RAID 5 applied) that is expandable using HD-NVR-EXP

· Hot-swappable hard drives and power supplies

· 4 gigabit Ethernet ports

· 2U rack mount chassis

Specifications

System

Control Center Edition	Enterprise or Standard compatible
Recording Rate	Up to 32 MB/s
Camera Channels	Up to 96
Recording Image Rate	Up to 30 images per second per channel, total of 2880 for 96 channels
Local Viewing	No
Operating System	Microsoft® Windows® XP Professional 64-bit
Hard Disk Drive Configuration	6 SATA, hot-swappable, RAID 5
Recording Storage Capacity	Up to 10 TB effective (after RAID 5), expandable using HD-NVR-EXP
Processor	Quad core Intel® Xeon® 2.0 GHz
Memory	4 GB RAM
Network Interface	4 Gigabit Ethernet RJ-45 ports (1000Base-T)
Video Outputs	1 VGA
Optical Drive	1 DVD-ROM

Mechanical

Form Factor	2U rack
Dimensions (LxWxH)	681 mm x 443 mm x 86 mm 26.8" x 17.4" x 3.4"
Weight	26 kg (57.4 lbs)

Electrical

Power Input	100 to 240 VAC, 50/60 Hz, auto-switching
Power Supply	Single hot-swappable, dual-redundant optional with HD-NVR-2ND-PS
Power Consumption	750 W

Environmental

Operating Temperature	10° C to 35° C (50° F to 95° F)
Storage Temperature	-40° C to 65° C (-40° F to 149° F)
Humidity	20 - 80% Relative humidity (non-condensing)
Operating Vibration	0.26G at 5 Hz to 350 Hz for 2 minutes
Storage Vibration	1.54Grms Random Vibration at 10 Hz to 250 Hz for 15 minutes
Operating Shock	1 shock pulse of 41G for up to 2 ms
Storage Shock	6 shock pulses of 71G for up to 2 ms
Operating Altitude	-16 m to 3048 m (-50 ft to 10,000 ft)
Storage Altitude	-16 m to 10,600 m (-50 ft to 35,000 ft)

Certifications

FCC, Class A
ICES, Class A
CE, Class A
VCCI, Class A
BSMI, Class A
C-Tick, Class A
SABS, Class A
CCC, Class A
BCC, Class A
NEMKO, Class A
GOST, Class A
BELLIS, Class A

Remote PC Client Requirements

Operating System	Microsoft® Windows® XP with Service Pack (SP) 2 or later, or Windows® Vista
Processor	Intel® Single Core 2.4 GHz (minimum) Intel® Dual Core 2.0 GHz (recommended)
Memory	1 GB RAM (minimum) 2 GB RAM (recommended)
Video Card	PCI Express, DirectX 9.0c compliant with 128 MB RAM (Intel® GMA 900 or better, NVIDIA® 6600 or better, ATI X1300 or better)
Network Interface	100 Mbps (minimum) 1 Gbps (recommended)
Hard Disk Space	500 MB

Supplied Accessories

Rack mount kit (brackets, rails, and hardware)
Cable management arm
Rack bezel
USB keyboard
USB mouse
Power cord

Ordering Information

2.5TB-HD-NVR	2.5 TB storage, network video recorder server
5.0TB-HD-NVR	5.0 TB storage, network video recorder server
10.0TB-HD-NVR	10.0 TB storage, network video recorder server
2.5TB-HD-NVR-LPR	2.5 TB storage, network video recorder server, 2nd processor installed
5.0TB-HD-NVR-LPR	5.0 TB storage, network video recorder server, 2nd processor installed
10.0TB-HD-NVR-LPR	10.0 TB storage, network video recorder server, 2nd processor installed
2.5TB-HD-NVR-EC	2.5 TB storage, network video recorder server, HD-NVR-EXP-CARD installed
5.0TB-HD-NVR-EC	5.0 TB storage, network video recorder server, HD-NVR-EXP-CARD installed
10.0TB-HD-NVR-EC	10.0 TB storage, network video recorder server, HD-NVR-EXP-CARD installed
HD-NVR-2ND-PS	Secondary redundant power supply
HD-NVR-EXP-CARD	Expansion card for connecting storage expansion to an HD-NVR
HD-NVR-EXP-7.5TB	7.5 TB RAID 5 expansion, 3U rack mount
HD-NVR-EXP-15TB	15 TB RAID 5 expansion, 3U rack mount
HD-NVR-EXP-30TB	30 TB RAID 5 expansion, 3U rack mount

* Control Center licenses must be purchased separately