

## 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		Remote PC Client Requirements	
Recording Rate	Up to 32 MB/s	Operating System	Microsoft® Windows® XP with Service
Camera Channels Recording Image Rate	Up to 96 Up to 30 images per second per	Processor	Pack (SP) 2 or later, or Windows® Vista Intel® Pentium® 4 2.4 GHz (minimum)
	channel, total of 2880 for 96 channels		Intel® Core™2 Duo (recommended)
Local Viewing	No Mindews & XD	Memory	1 GB RAM (minimum)
Operating System	Microsoft® Windows® XP Professional 64-bit	Video Card	2 GB RAM (recommended) PCI Express, DirectX 9.0c compliant
Hard Disk Drive Configuration	6 SATA, hot-swappable, RAID 5	video Gard	with 128 MB RAM (Intel® GMA 900
Recording Storage Capacity	Up to 10 TB effective (after RAID 5),		or better, NVIDIA® 6600 or better, ATI
	expandable using HD-NVR-EXP		X1300 or better)
Processor	Quad core Intel® Xeon® 2.0 GHz	Network Interface	100 Mbps (minimum)
Memory Network Interface	4 GB RAM 4 Gigabit Ethernet RJ-45 ports	Hard Disk Space	1 Gbps (recommended) 500 MB
Network Interface	(1000Base-T)		500 MB
Video Outputs	1 VGA	Supplied Accessories	
Optical Drive	1 DVD-ROM		
Mashaniaal			Rack mount kit (brackets, rails, and hardware)
Mechanical			Cable management arm
Form Factor	2U rack		Rack bezel
Dimensions (LxWxH)	744 mm x 444 mm x 86 mm		USB keyboard
	29.3" x 17.5" x 3.4"		USB mouse
Weight	23 kg (50.7 lbs)		Power cord
Electrical		Ordering Information	
Power Input	100 to 240 VAC, 50/60 Hz,	8C-2.5TB-HD-NVR	8 camera channel, 2.5 TB storage,
Power Supply	auto-switching		1 viewing client, network video recorder server
Power Supply	Single hot-swappable, dual-redundant optional with HD-NVR-2ND-PS	16C-2.5TB-HD-NVR	16 camera channel, 2.5 TB storage,
Power Consumption	750 W		1 viewing client, network video recorder server
Environmental		8C-5.0TB-HD-NVR	8 camera channel, 5.0 TB storage, 1 viewing client, network video recorder
Operating Temperature Storage Temperature	10° C to 35° C (50° F to 95° F) -40° C to 65° C (-40° F to 149° F)	16C-5.0TB-HD-NVR	server 16 camera channel, 5.0 TB storage,
Humidity	20 - 80% Relative humidity	10C-5:01B-HD-NVK	1 viewing client, network video recorder
Tamany	(non-condensing)		server
Operating Vibration	0.26G at 5 Hz to 350 Hz for 2 minutes	24C-5.0TB-HD-NVR	24 camera channel, 5.0 TB storage,
Storage Vibration	1.54Grms Random Vibration at 10 Hz to		1 viewing client, network video recorder
Operating Sheek	250 Hz for 15 minutes		server
Operating Shock Storage Shock	1 shock pulse of 41G for up to 2 ms 6 shock pulses of 71G for up to 2 ms	8C-10.0TB-HD-NVR	8 camera channel, 10.0 TB storage, 1 viewing client, network video recorder
Operating Altitude	-16 m to 3048 m (-50 ft to 10,000 ft)		server
Storage Altitude	-16 m to 10,600 m (-50 ft to 35,000 ft)	16C-10.0TB-HD-NVR	16 camera channel, 10.0 TB storage, 1 viewing client, network video recorder
Certifications			server
	FCC, Class A	24C-10.0TB-HD-NVR	24 camera channel, 10.0 TB storage,
	ICES, Class A		1 viewing client, network video recorder server
	CE, Class A	HD-VIEW-CLIENT	1 additional viewing client connection
	VCCI, Class A		for a single server
	BSMI, Class A	HD-VIEW-CL-SITE	1 additional viewing client connection
	C-Tick, Class A		for all servers at one site
	SABS, Class A CCC, Class A	HD-NVMS-ADD-1C	1 additional camera channel for a single server
	BCC, Class A	HD-NVR-2ND-PS	Secondary redundant power supply
	NEMKO, Class A	HD-NVR-EXP-7.5TB	7.5 TB RAID 5 expansion, 3U rack
	GOST, Class A		mount
	BELLIS, Class A	HD-NVR-EXP-15TB	15 TB RAID 5 expansion, 3U rack mount