HD Network Video Recorder Server

Avigilon's end-to-end surveillance solutions deliver image detail no other system can match. Avigilon™ Control Center software, featuring High Definition Stream Management (HDSM)™ technology combined with our broad range of megapixel cameras (from 1 MP to 29 MP) provide unprecedented clarity—while effectively managing storage and bandwidth requirements. Our components are scalable and can work together in an end-to-end system, or can be customized to create your own powerful and cost-effective solution.

The innovative HD network video recorder is just one way Avigilon can help provide the very best monitoring and protection.

Our Network Video Recorders (NVRs) have Avigilon Control Center preloaded and configured for maximum performance and reliability, making them easy to integrate into any Avigilon surveillance system. NVR servers can record up to 32 MB/s of image data from up to 128 cameras.

KEY 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 128 camera channels

Supports up to 30 images per second per camera channel

RAID 5 hard drive configuration

Up to 21 TB effective recording capacity (after RAID 5 applied) that is expandable using HD-NVR-EXP2

Hot-swappable hard drives and power supplies

2 gigabit Ethernet ports

2U rack mount chassis

Specifications

SYSTEM		
	Control Center Edition	Enterprise, Standard and Core compatible
	Recording Rate	Up to 32 MB/s
	Camera Channels	Up to 128
	Recording Image Rate	Up to 30 images per second per channel, total of 3840 for 128 channels
	Local Viewing	No
	Operating System	Microsoft® Windows Embedded Standard 7
	Hard Disk Drive Configuration	Hot-swappable, RAID 5
	Recording Storage Capacity	Up to 21 TB effective (after RAID 5), expandable using HD-NVR-EXP2
	Processor	Intel® Xeon® Processor E5-2407
	Memory	6 GB RAM (3 x 2GB)
	Network Interface	2 Gigabit Ethernet RJ-45 ports (1000Base-T)
	Video Outputs	1 VGA
	Optical Drive	1 DVD-RW
MECHANICAL	Form Factor	2U rack mount chassis
	Dimensions (LxWxH)	611.1 mm x 434 mm x 86.8 mm; 24.06" x 17.09" x 3.42"
	Weight	28.2 kg (62.17 lbs)
ELECTRICAL	Power Input	100 to 240 VAC, 50/60 Hz, auto-switching
	Power Supply	Single hot-swappable, dual-redundant optional with HD-NVR2-2ND-PS
	Power Consumption	495 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	1.87Grms at 10 Hz to 500 Hz for 15 minutes
	Operating Shock	1 shock pulse of 31G for up to 2.6 ms
	Storage Shock	6 shock pulses of 71G for up to 2 ms
	Operating Altitude	-15.2 m to 3048 m (-50 ft to 10,000 ft)
	Storage Altitude	-15.2 m to 10,668 m (-50 ft to 35,000 ft)
REMOTE PC CLIENT REQUIREMENTS	Operating System	Microsoft® Windows® XP with Service Pack (SP) 2 or later, Windows® Vista, or Windows® 7
	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
CERTIFICATIONS	Safety	EN 60950-1:2006 + A11:2009 IEC 60950-1:2005 Ed2	EN 62311:2008
	Electromagnetic Emissions	EN 55022:2006 + A1:2007 CISPR 22:2005 + A1:2005 EN 61000-3-2:2006	IEC 61000-3-2:2005 (Class D) EN 61000-3-3:1995 + A1:2001 + A2:2005 IEC 61000-3-3:1994 + A1:2001 + A2:2005
	Electromagnetic Immunity	EN 55024:1998 + A1:2001 + A2:2003	CISPR 24:1997 (modified)+A1:2001 + A2:2002
ORDERING INFORMATION	3.0TB-HD-NVR2	3.0 TB storage, Network Video Recorder Server
	5.0TB-HD-NVR2	5.0 TB storage, Network Video Recorder Server
	10.0TB-HD-NVR2	10.0 TB storage, Network Video Recorder Server
	15.0TB-HD-NVR2	15.0 TB storage, Network Video Recorder Server
	21.0TB-HD-NVR2	21.0 TB storage, Network Video Recorder Server
	HD-NVR2-2ND-PS	Secondary redundant power supply
	HD-NVR2-LPRPROC	LPR processor
	HD-NVR2-EXP2-CARD	Expansion card for connecting storage expansion to an HD-NVR2
	HD-NVR-EXP2-10TB	10 TB RAID 6 expansion, 2U rack mount
	HD-NVR-EXP2-20TB	20 TB RAID 6 expansion, 2U rack mount
	HD-NVR-EXP2-30TB	30 TB RAID 6 expansion, 2U rack mount
	* Control Center licenses must be purchased separately	

HD-NVR