

# 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

<b>SYSTEM</b>	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	Near-line SAS, 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		
	<b>MECHANICAL</b>	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)		
<b>ELECTRICAL</b>	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		
<b>ENVIRONMENTAL</b>	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)		
<b>REMOTE PC CLIENT REQUIREMENTS</b>	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		
<b>SUPPLIED ACCESSORIES</b>		Rack mount kit (brackets, rails, and hardware)		
		Cable management arm		
		Rack bezel		
		USB keyboard		
		USB mouse		
		Power cord		
<b>CERTIFICATIONS</b>	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	
<b>ORDERING INFORMATION</b>	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			