

# HD NVR Standard

AVIGILON

Avigilon™ HD Network Video Recorders (NVRs) provide secure, reliable and scalable platforms for high performance end-to-end security solutions. Our network security recorders have Avigilon Control Center (ACC)™ software preloaded and configured for plug-and-play network video recording and management of multi-megapixel IP cameras, up to our industry-leading 7K (30 megapixel) HD Pro.

NETWORK VIDEO RECORDER



The Avigilon HD NVR Standard provides high performance and high available storage. It can record up to 110 video streams with up to 900 Mbps of throughput — record, playback and live streaming. It is pre-configured with ACC™ high definition video management software, recording video data in a highly available RAID 6 hard drive configuration.

The HD NVR Standard has been engineered for consistent reliability, availability and scalability and was designed to address the requirements of recording multiple camera streams and retaining video for long-term retention.

## KEY FEATURES

Preloaded and configured with Avigilon Control Center high definition network video management software

Highly scalable capacity options – up to 24TB of effective recording for long-term video retention

Recording of up to 110 high definition camera streams to support large enterprise surveillance systems

Hot-swappable components to maintain video recording and playback operations even in the event of multiple component failures

Separation of operating system and video storage volumes to allow independent, non-disruptive maintenance

Remote access support for system administrators

2U rack mount chassis with sliding rails and cable management arm, for ease of serviceability

# Specifications

SYSTEM		
Video Management Software		Avigilon Control Center – compatible with Enterprise, Standard and Core editions
Network Video Streaming Performance*	Network Connection	1 GbE - with multiple network connections
	Recording Data Rate	Up to 450 Mbps
	Playback and Live Streaming	Up to 450 Mbps (while simultaneously recording video)
	Number of Cameras	Up to 110
Recording Storage Capacity		Up to 36 TB raw, 24 TB effective (RAID 6)
Hard Disk Drive Configuration		Video data — up to 6 x large form factor near-line SAS hard disk drives, hot-swappable, RAID 6 Operating system — 2 x small form factor SATA hard disk drives, hot swappable, RAID 1
Network Interface		4 x 1 GbE RJ-45 ports (1000Base-T) (Optional) 2 x 10 GbE SFP+ ports (transceivers not included)
Memory		16GB DDR4
Operating System		Microsoft Windows Embedded Standard 7
Processor		Intel Xeon Processor E5-2609 v3, 1.9GHz, 15M Cache
Video Outputs		2 x VGA
Local Viewing		No
Remote Access		iDRAC8 Express

\* These performance figures are based on validation testing by Avigilon, using Avigilon Control Center software. For more information, contact Avigilon [Sales](#).

MECHANICAL		
Form Factor		2U rack mount chassis
Dimensions (LxWxH)	with bezel	716 mm x 482.4 mm x 87.3 mm; 28.19" x 18.99" x 3.44"
	without bezel	684 mm x 444 mm x 87.3 mm; 27.64" x 17.49" x 3.44"
Weight		22.7 kg (50.04 lb)

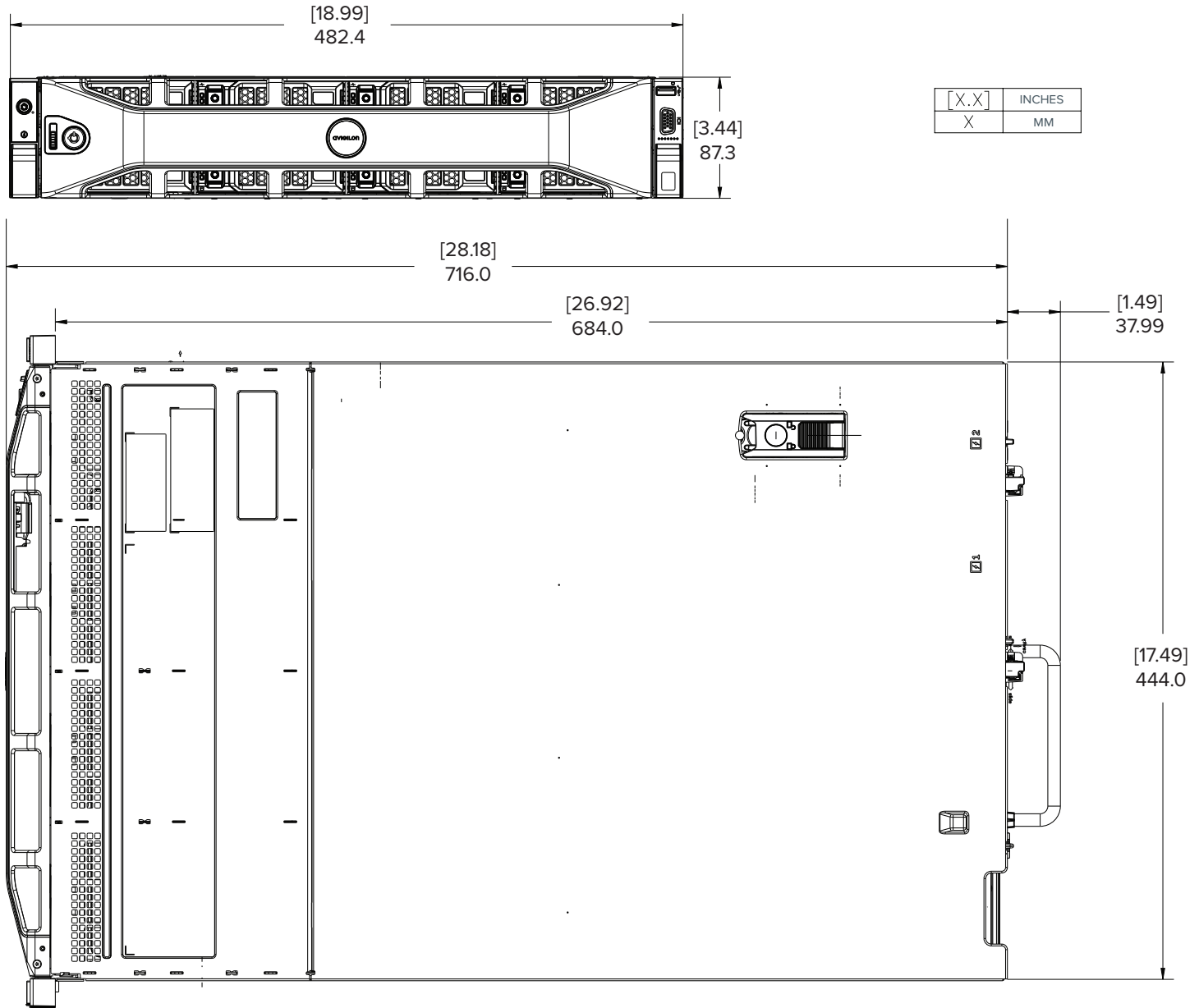
ELECTRICAL		
Power Input		100 to 240 VAC, 50/60 Hz, auto-switching
Power Supply		Single - optional secondary power supply
Power Consumption		270 W (921.3 BTU/h)

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		5% to 95% relative humidity with 33° C (91° F) maximum dew point (non-condensing)
Operating Vibration		0.26 Grms at 5 Hz to 350 Hz
Storage Vibration		1.88 Grms at 10 Hz to 500 Hz for 15 min
Operating Shock		Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 40 G for up to 2.3 ms.
Storage Shock		Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms.
Operating Altitude		3 048 m (10,000 ft)
Storage Altitude		12 000 m (39,370 ft)

SUPPLIED ACCESSORIES		
Rack Rail System		Sliding rail system with cable management arm. Supports: <ul style="list-style-type: none"> <li>• Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks</li> <li>• Toolled mounting in threaded hole 4-post racks</li> </ul>
Bezel		1, front
Power Cords		1

CERTIFICATIONS		
Safety	EN 60950-1:2006 / A11:2009 / A1:2010 / A12:2011 / A2:2013 EN 62311:2008	UL/CSA/IEC 60950-1, 2 Ed + Am 1: 2009 + Am 2: 2013
Power Efficiency	80 PLUS Titanium	ENERGY STAR 2.0
Electromagnetic Emissions	US CFR Title 47, FCC Part 2, 15 Canadian ICES-003(A) Issue 5 EN 55022:2010/CISPR 22:2010	EN 61000-3-2:2006 +A1:2009 +A2:2009/IEC 61000-3-2:2005 +A1:2008 +A2:2009 (Class D) EN 61000-3-3:2008/ IEC 61000-3-3:2008
Electromagnetic Immunity	EN 55024:2010/CISPR 24:2010	
Directives	RoHS, Reach (SVHC), WEEE	

# Outline Dimensions



# Ordering Information

HD-NVR3-STD-16TB	16 TB HD NVR Standard with Microsoft Windows Embedded Standard 7 and Avigilon Control Center
HD-NVR3-STD-24TB	24 TB HD NVR Standard with Microsoft Windows Embedded Standard 7 and Avigilon Control Center
Avigilon Control Center licenses must be purchased separately	
HD-NVR3-STD-2NDPS	Redundant, hot-swappable power supply
HD-NVR3-STD-10GBE	Dual-port 10G-SFP+ Adapter
HD-NVR3-SFPPLUS-DA	SFP+ 10GbE Twinax Direct Attach Cable 3m
HD-NVR3-SFPPLUS-SR	SFP+ 10GBASE-SR Transceiver

HD-NVR3-STD-xxTB-NA = 
  
 HD-NVR3-STD-xxTB-UK = 
  
 HD-NVR3-STD-xxTB-EU = 
  
 HD-NVR3-STD-xxTB-AU = 