

HD NVR4 Standard

Avigilon fourth generation HD Network Video Recorder Standard (NVR4) is our next generation of NVRs with a high retention capacity and throughput. It provides secure, reliable and scalable platforms for high performance end-to-end security solutions. Our network security recorders have Avigilon Control Center (ACC) and Avigilon Appearance SearchTM technology 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.



The Avigilon HD NVR4 Standard is a 2U rack mountable recorder specifically manufactured for the Avigilon ecosystem with the flexibility to expand your surveillance system. It leverages the full power of Avigilon Control Center (ACC) and Avigilon Appearance Search technology to deliver a high throughput, retention, and availability in the NVR4 line. The NVR4 Standard can be used individually or as a cluster of NVRs designed for IP video and video analytics meta-data storage. It's backed by the Avigilon three-year warranty, extend-able up to five years, which provides businesses with support and on-site parts delivery for continuous recording and retention of video while minimizing disruptions to security operations.

The HD NVR4 Standard is an out-of-the-box, ready-to-deploy video recording platform for single site surveillance or to be distributed across multiple remote sites.

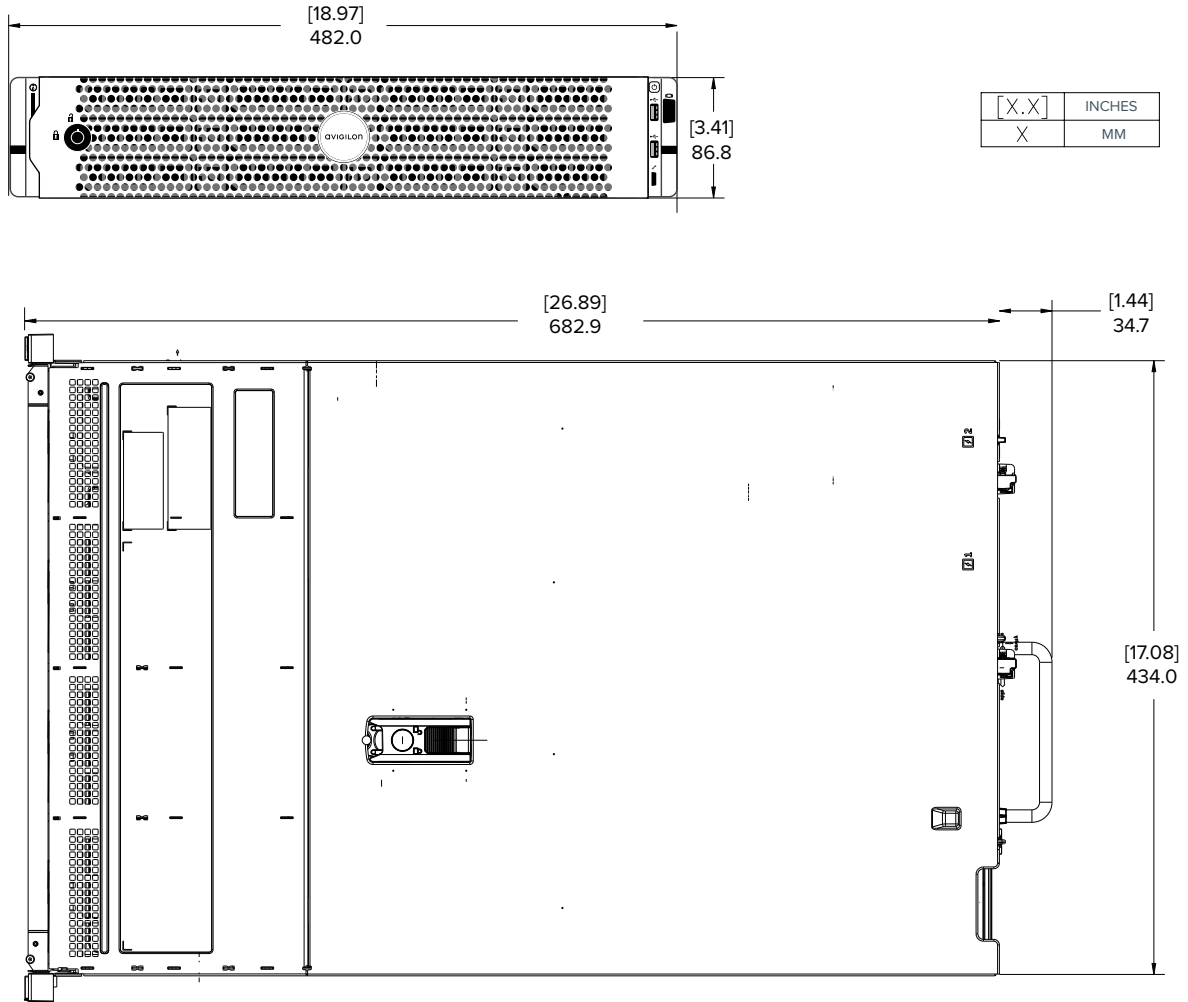
KEY FEATURES

- Configured for and preloaded with ACCTM video management software
- Natively support Avigilon Appearance Search technology
- Up to 900 Mbps of total throughput – simultaneous recording, playback, and live streaming
- Highly scalable and expandable capacity options — from 16TB to 48TB to fit a wide range of video retention requirements
- Hot-swappable components maintain video recording and playback operations even in the event of multiple simultaneous component failures
- Separate operating system and video storage volumes to enable independent, non-disruptive maintenance
- An easy to access and maintain 2U rack mount chassis — includes a sliding rail kit and cable management system
- A three-year warranty with on-site parts delivery service

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)
		Recording Storage Capacity	Up to 64 TB raw, 48 TB effective (RAID 6)
	Avigilon Appearance Search Capacity	Up to 80 cameras**	
	Hard Disk Drive Configuration	Video data — up to 8 x large form factor hard disk drives, hot-swappable, RAID 6 Operating system - 2 x M.2 SSD, 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 10 IoT Enterprise LTSB	
	Processor	Intel® Xeon®	
	Video Outputs	VGA	
	Local Viewing	No	
	Remote Access	iDRAC9 Express	
	<p>* These performance figures are based on validation testing by Avigilon, using Avigilon Control Center software. For more information, contact Avigilon Sales.</p> <p>** Requires ACC enterprise license and Avigilon H4A analytic enabled cameras. The Appearance Search camera support limit does not affect any NVR throughputs for simultaneous recording, playback and live streaming.</p>		
MECHANICAL	Form Factor	2U rack mount chassis	
	Dimensions (LxWxH)	with bezel	717.6 mm x 482.0 mm x 86.8 mm; 27.71" x 18.97" x 3.41"
		without bezel	703.8 mm x 482.0 mm x 86.8 mm; 27.71" x 18.97" x 3.41"
	Weight	34.5 kg (76 lbs)	
ELECTRICAL	Power Input	100 to 240 VAC, 50/60 Hz, auto-switching	
	Power Supply	80 plus Titanium - optional secondary power supply	
	Power Consumption	Average: 270 W (921.3 BTU/h) Maximum: 750 W (2560.8 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	10% to 80% relative humidity with 29°C (84.2°F) maximum dew point	
	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 6 G for up to 11ms	
	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	
	Max. 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"> • Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks • Toolled mounting in threaded hole 4-post racks 	
	Bezel	1, front	
	Power Cords	1	
CERTIFICATIONS	Certifications	UL, cUL, CE, BIS, BSMI, CCC, EAC, KC, NOM, NRCS, VCCI, RCM	
	Safety	EN 60950-1:2006 / A1:2009 / A1:2010 / A12:2011 / A2:2013; UL/CSA/IEC 60950-1, 2 Ed + Am 1: 2009 + Am 2: 2013	
	Electromagnetic Emissions	US CFR Title 47, FCC Part 2, 15; Canadian ICES-003(A) Issue 6; EN 55032:2012/ EN 55032:2015/ CISPR 32:2012/ CISPR 32:2015 (Class A); EN 61000-3-2:2014/ IEC 61000-3-2:2014 (Class D); EN 61000-3-3:2013/ IEC 61000-3-3:2013	
	Electromagnetic Immunity	EN 55024:2010+A1:2015/CISPR 24:2010 + A1:2015	
	Energy	Commission Regulation (EU) No. 617/2013	
	ROHS	EN 50581:2012	

Outline Dimensions



Ordering Information

HD-NVR4-STD-16TB	16 TB HD NVR4 Standard with Microsoft Windows 10 IoT and Avigilon Control Center
HD-NVR4-STD-24TB	24 TB HD NVR4 Standard with Microsoft Windows 10 IoT and Avigilon Control Center
HD-NVR4-STD-32TB	32 TB HD NVR4 Standard with Microsoft Windows 10 IoT and Avigilon Control Center
HD-NVR4-STD-48TB	48 TB HD NVR4 Standard with Microsoft Windows 10 IoT and Avigilon Control Center

Avigilon Control Center licenses must be purchased separately. Avigilon Appearance Search requires Enterprise version of ACC.

HD-NVR4-STD-2NDPS-AU	Redundant, hot-swappable power supply, for AU
HD-NVR4-STD-2NDPS-EU	Redundant, hot-swappable power supply, for EU
HD-NVR4-STD-2NDPS-NA	Redundant, hot-swappable power supply, for NA
HD-NVR4-STD-2NDPS-UK	Redundant, hot-swappable power supply, for UK
HD-NVR4-STD-10GBE	Dual-port 10G-SFP+ Network Adapter
HD-NVR4-SFPPLUS-DA	SFP+ 10GbE Twinax Direct Attach Cable 3m
HD-NVR4-SFPPLUS-SR	SFP+ 10GBASE Short Range Transceiver

