

# HD NVR Standard

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.



The Avigilon HD NVR Standard is a 2U rack mountable recorder specifically manufactured for the Avigilon ecosystem. It leverages the full power of Avigilon Control Center (ACC) software to deliver high throughput and retention without sacrificing availability. The NVR Standard meets the requirements of IP video and video analytics metadata storage. It's backed by the Avigilon three-year warranty, which provides businesses with support and onsite parts delivery for continuous recording and retention of video while minimizing disruptions to security operations.

The HD NVR 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

- Preloaded and configured with ACC<sup>™</sup> video management software
- High performance of up to 900 Mbps of total throughput – simultaneous recording, playback, and live streaming
- Highly scalable capacity options — up to 36TB of recording for long-term video retention
- Hot-swappable components maintain video recording and playback operations even in the event of multiple component failures
- Separation of 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
- Avigilon Appearance Search Technology Support with an additional kit
- 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)
	Number of Cameras	Up to 128
Recording Storage Capacity		Up to 48 TB raw, 36 TB effective (RAID 6)
Hard Disk Drive Configuration		Video data — up to 8 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 10 Enterprise
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		22.3 kg (49.2 lb)

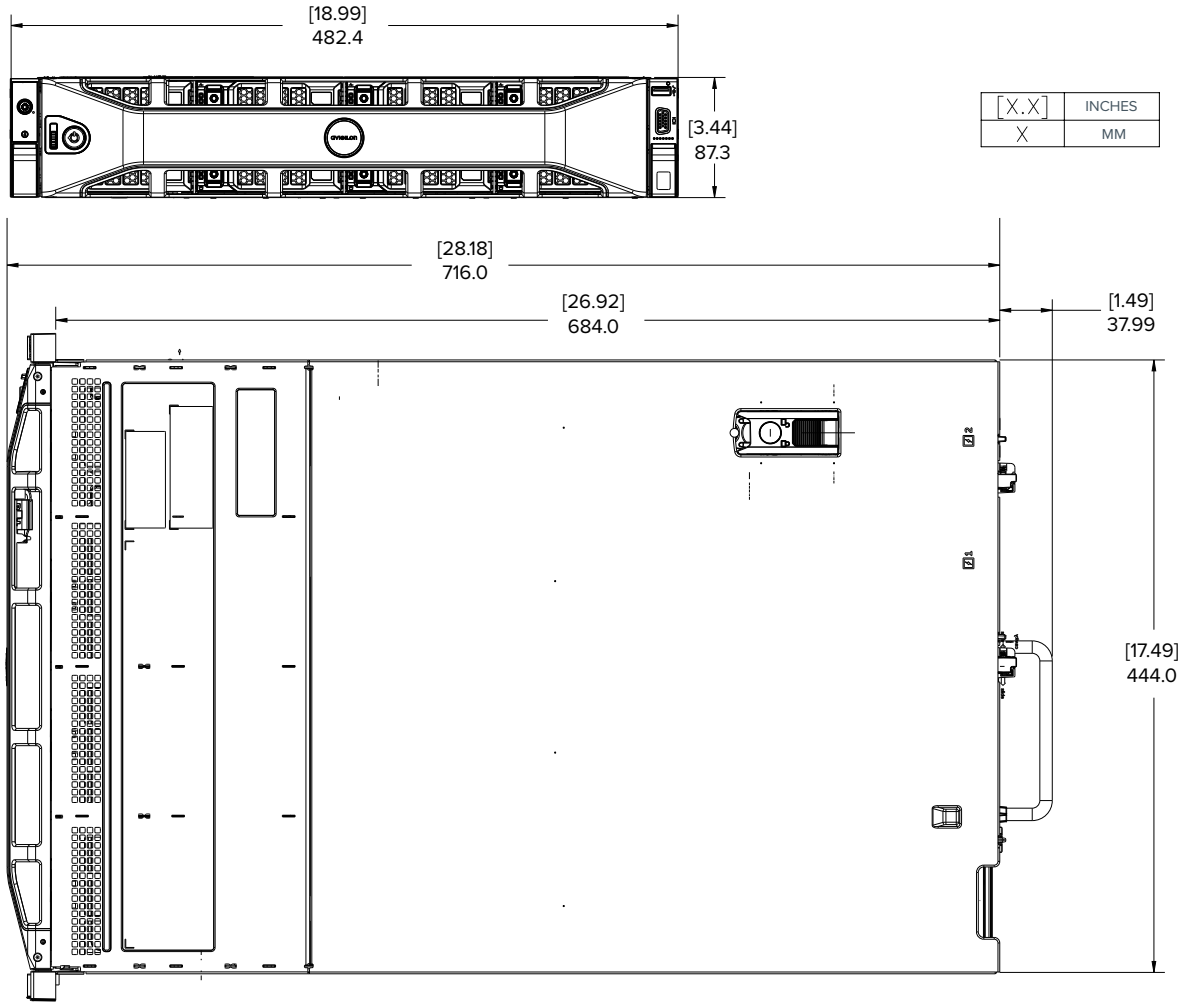
ELECTRICAL		
Power Input		100 to 240 VAC, 50/60 Hz, auto-switching
Power Supply		750 W single - optional secondary power supply
Power Consumption		Average: 270 W (921.3 BTU/h) Maximum: 750 W (2560.8 BTU/h)

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		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 / A1:2009 / 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-24TB      24 TB HD NVR Standard with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center

HD-NVR3-STD-36TB      36 TB HD NVR Standard with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center

Avigilon Control Center licenses must be purchased separately

HD-NVR3-ANK1-1      Analytics Kit for Avigilon Appearance Search™ software

HD-NVR3-STD-2NDCPU      2nd CPU kit

HD-NVR3-STD-2NDPS-AU      Redundant, hot-swappable power supply, for AU

HD-NVR3-STD-2NDPS-EU      Redundant, hot-swappable power supply, for EU

HD-NVR3-STD-2NDPS-NA      Redundant, hot-swappable power supply, for NA

HD-NVR3-STD-2NDPS-UK      Redundant, hot-swappable power supply, for UK

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

