

HD NVR3 Value

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 NVR3 Value is a 1U rack mountable recorder specifically manufactured for the Avigilon ecosystem. It leverages the full power of Avigilon Control Center (ACC) software to deliver high performance and retention at a lower cost of ownership. The NVR3 Value 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 NVR3 Value is an out-of-the-box, ready-to-deploy video recording platform designed for single site surveillance or to be distributed across multiple remote sites.

KEY FEATURES

- Preloaded and configured with ACC™ video management software
- High performance of up to 384 Mbps of total throughput – simultaneous recording, playback, and live streaming
- Highly scalable capacity options — up to 18TB of recording for long-term video retention
- Hot-swappable components maintain video recording and playback operations even in the event of multiple component failures
- An easy to access and maintain 1U rack mount chassis — includes a sliding rail kit and cable management system
- Avigilon Appearance Search™ technology support with an optional kit
- A three-year warranty with onsite 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 256 Mbps
	Playback and Live Streaming	Up to 128 Mbps (while simultaneously recording video)
Recording Storage Capacity		Up to 24 TB raw, 18 TB effective (RAID 5)
Avigilon Appearance Search Capacity		Up to 30 cameras**
Hard Disk Drive Configuration		Video data — 4 x large form factor hard disk drives, hot-swappable, RAID 5
Network Interface		2 x 1 GbE RJ-45 ports (1000Base-T)
Memory		8 GB DDR4
Operating System		Microsoft Windows 10 IoT Enterprise LTSB
Processor		Intel® Xeon®
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](#).

** Requires optional GPU kit, ACC enterprise license and Avigilon H4A analytic enabled cameras. The Avigilon Appearance Search camera support limit does not affect any NVR throughputs for simultaneous recording, playback and live streaming.

MECHANICAL		
Form Factor		1U rack mount chassis
Dimensions (LxWxH)	with bezel	674.7 mm x 482.4 mm x 42.95 mm; 26.56" x 18.99" x 1.69"
Weight		13.8 kg (30.42 lb)

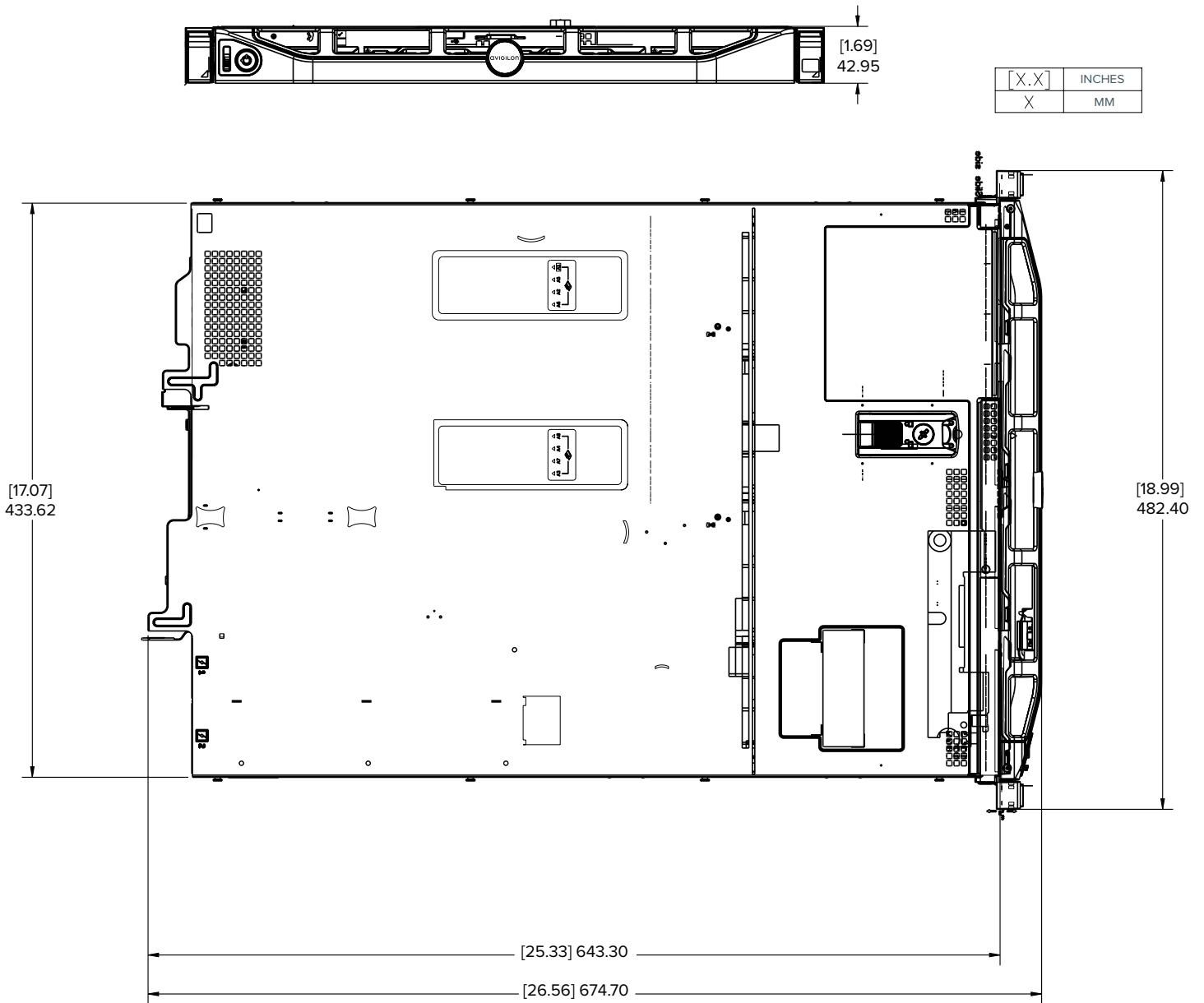
ELECTRICAL		
Power Input		100 to 240 V AC, 50/60 Hz, autoranging
Power Supply		Single — optional secondary power supply available
Power Consumption		350 W (1194.2 BTU/hr)

ENVIRONMENTAL		
Operating Temperature		10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
Storage Temperature		-40° C to 65° C (-40° F to 149° F)
Operating Humidity		10% to 80% Relative Humidity with 29°C (84.2°F) maximum dew point
Storage Humidity		5% to 95% RH with 33°C (91°F) maximum dew point. Atmosphere must be non-condensing at all times
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"> • 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			
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 Platinum		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-VAL-3TB	3 TB HD NVR3 Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
HD-NVR3-VAL-6TB	6 TB HD NVR3 Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
HD-NVR3-VAL-12TB	12 TB HD NVR3 Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
HD-NVR3-VAL-18TB	18 TB HD NVR3 Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
Avigilon Control Center licenses must be purchased separately	
HD-NVR-ANK2-1	Analytics Kit for Avigilon Appearance Search software
HD-NVR3-VAL-2NDPS-AU	Redundant, hot-swappable power supply, for AU
HD-NVR3-VAL-2NDPS-EU	Redundant, hot-swappable power supply, for EU
HD-NVR3-VAL-2NDPS-NA	Redundant, hot-swappable power supply, for NA
HD-NVR3-VAL-2NDPS-UK	Redundant, hot-swappable power supply, for UK
HD-NVR3-VAL-WARR-EXTEND-2YR	2 year warranty extension - HD NVR3 VAL
HD-NVR3-VAL-WARR-EXTEND-1YR	1 year warranty extension - HD NVR3 VAL

