

HD NVR Value

Avigilon[™] HD Network Video Recorders (NVRs) provide secure, reliable and scalable platforms for high performance recording applications. Our network video 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 Value is a 1U rack mountable recorder that is manufactured specifically for the Avigilon solution ecosystem. This solution leverages the full power of the ACC software to deliver high performance and retention, while accommodating deployments looking for a flexible solution at a lower cost of ownership. The NVR Value is designed to meet the requirements of IP video and video analytics metadata storage and is backed by Avigilon's 3 year warranty. This provides businesses with support and on-site parts delivery for continuous recording and retention of video, while minimizing disruptions to security operations.

The HD NVR Value is an out of the box, ready to deploy video recording platform designed for single site surveillance or distributed across multiple remote sites.

KEY FEATURES

- Preloaded and configured with Avigilon Control Center (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 recordings for long-term video retention
- Hot-swappable components maintain video recording and playback operations even in the event of multiple component failures
- The 1U rack mount chassis is easy to access and maintain and includes a sliding rail kit and cable management system
- Avigilon's 3 year warranty with on-site parts delivery service provides businesses with peace of mind

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)
	Number of Cameras	Up to 128
Recording Storage Capacity		Up to 24 TB raw, 18 TB effective (RAID 5)
Hard Disk Drive Configuration		Video data — up to 4 x large form factor near-line SAS 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 Embedded Standard 7
Processor		Intel Xeon E3-1220 V5 (8M cache, 3.00 GHz)
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		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)

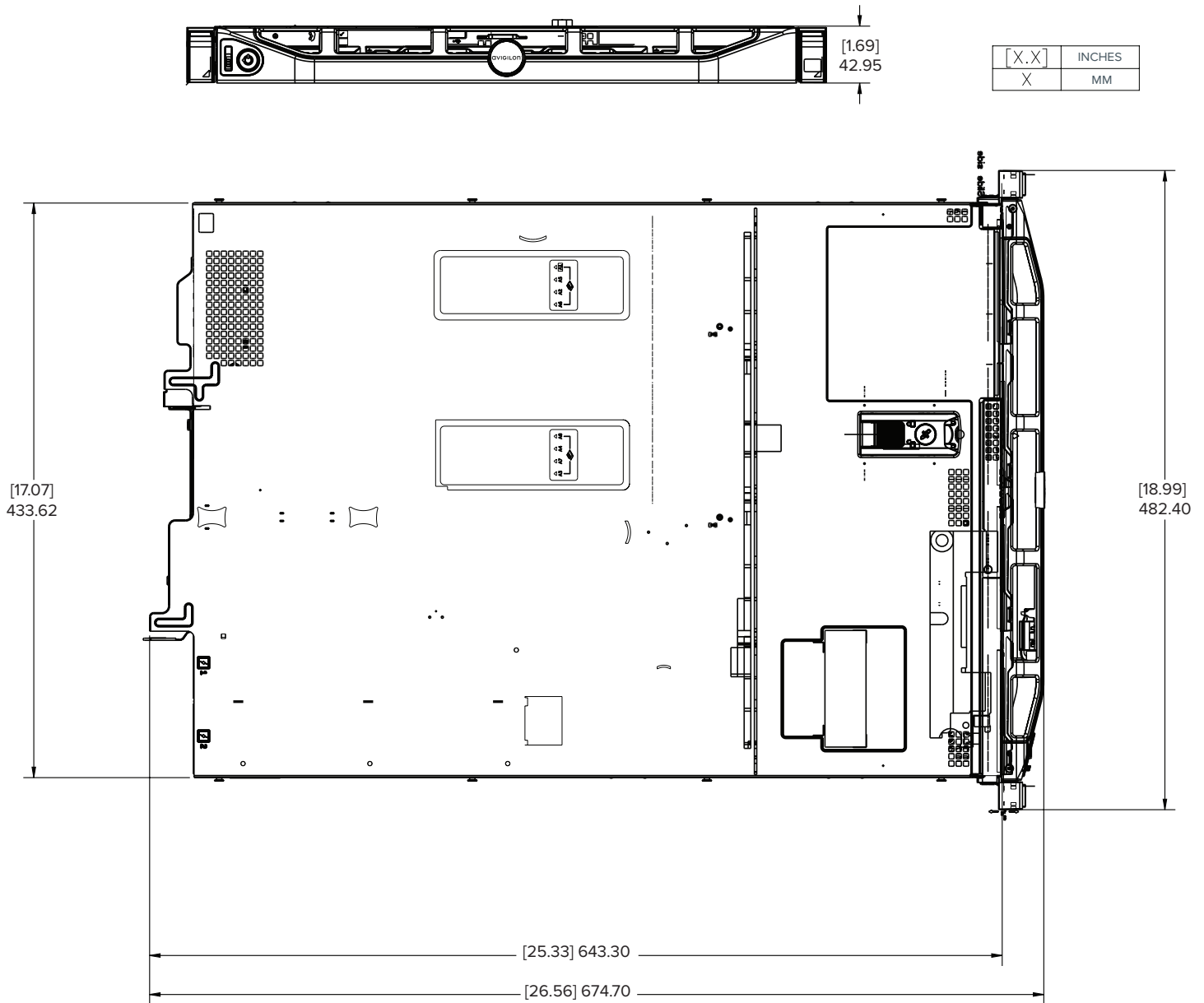
ELECTRICAL		
Power Input		100 to 240 V AC, 50/60 Hz, autoranging
Power Supply		Single — optional secondary power supply (HD-NVR3-VAL-2NDPS-NPC)
Power Consumption		350 W (1194.2 BTU/hr)

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 / 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 Platinum	ENERGY STAR 2.0
Electromagnetic Emissions	EN 55022:2010+AC2011/CISPR 22:2008 EN 61000-3-2:2006 + A1:2009 + A2:2009/IEC 61000-3-2:2005 + A1:2008 + A2:2009 (Class A)	EN 61000-3-3:2013/IEC 61000-3-3:2013
Electromagnetic Immunity	EN 55024:2010/CISPR 24:2010	
Directives	RoHS, Reach (SVHC), WEEE	

Outline Dimensions



Ordering Information

HD-NVR3-VAL-3TB	3 TB HD NVR Value with Microsoft Windows Embedded Standard 7 and Avigilon Control Center
HD-NVR3-VAL-12TB	12 TB HD NVR Value with Microsoft Windows Embedded Standard 7 and Avigilon Control Center
HD-NVR3-VAL-18TB	18 TB HD NVR Value with Microsoft Windows Embedded Standard 7 and Avigilon Control Center
Avigilon Control Center licenses must be purchased separately	
HD-NVR3-VAL-2NDPS-NPC	Secondary power supply, no power cord

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