

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 128 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 128 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 128	
	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)	

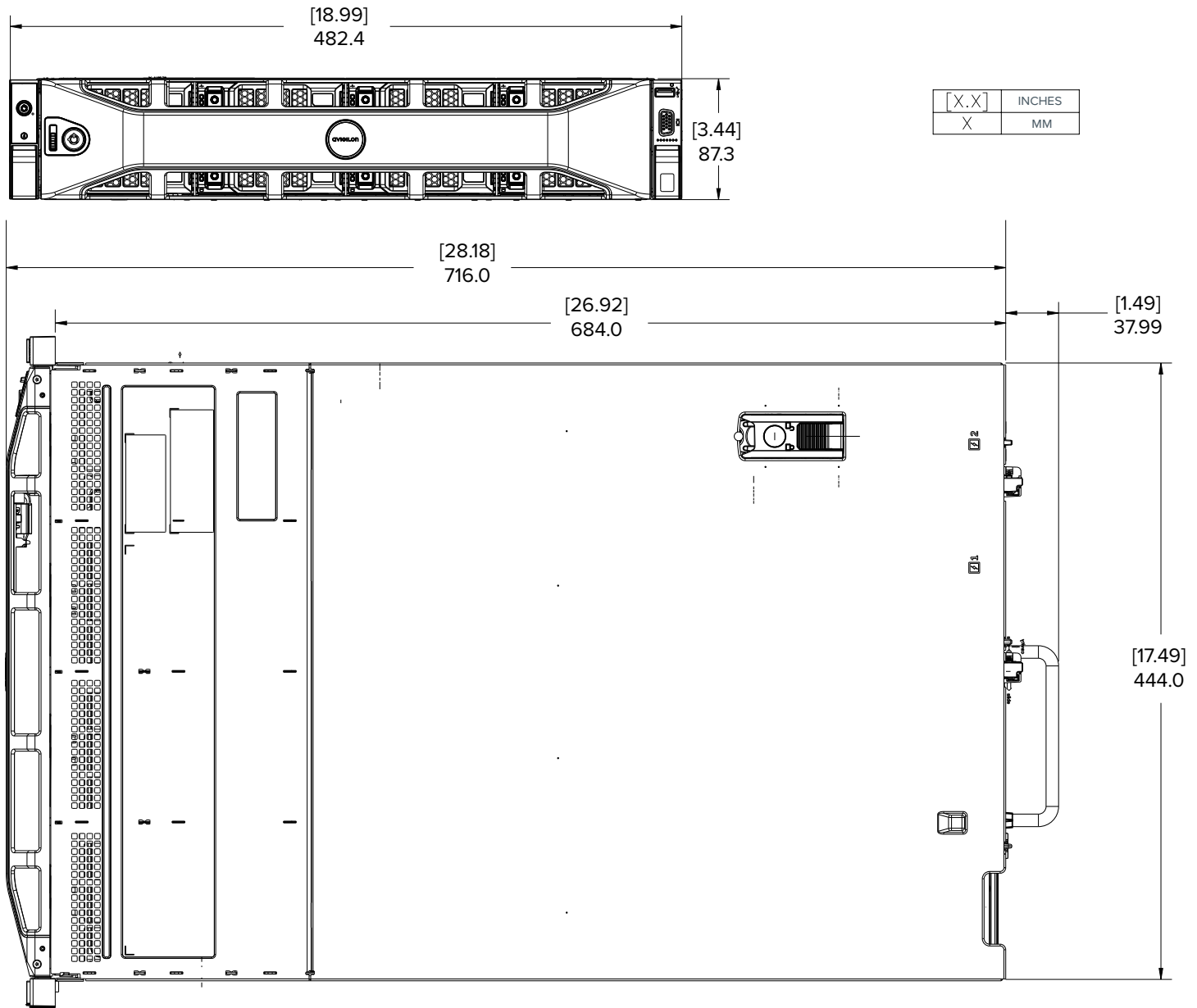
ELECTRICAL	Power Input	100 to 240 VAC, 50/60 Hz, auto-switching	
	Power Supply	Redundant, hot swappable	
	Power Consumption	270 W (921.3 BTU/h)	

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"> • 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 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



NETWORK VIDEO RECORDER

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 = 