

HD NVR Premium

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 Premium provides high-performance and high-capacity recording. It's been engineered for consistent reliability, availability and scalability to enterprise video management environments.

Preloaded and configured with ACC high definition video management software, the HD NVR Premium is 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 84TB of effective recording for long-term video retention

Recording of up to 300 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	10 GbE - with multiple network connections	1 GbE - with multiple network connections		
	Recording Data Rate	Up to 1350 Mbps	Up to 600 Mbps		
	Number of Cameras	Up to 300	Up to 150		
Recording Storage Capacity		Up to 96 TB raw, 84 TB effective (RAID 6)			
Hard Disk Drive Configuration		Video data — up to 16 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		2 x 10 GbE SFP+ ports (transceivers not included) 4 x 1 GbE RJ-45 ports (1000Base-T)			
Memory		16GB DDR4			
Operating System		Microsoft Windows Server 2012 R2			
Processor		Intel Xeon Processor E5-2620 V3, 2.4GHz, 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		32.5 kg (71.65 lbs) when fully populated with hard disk drives			

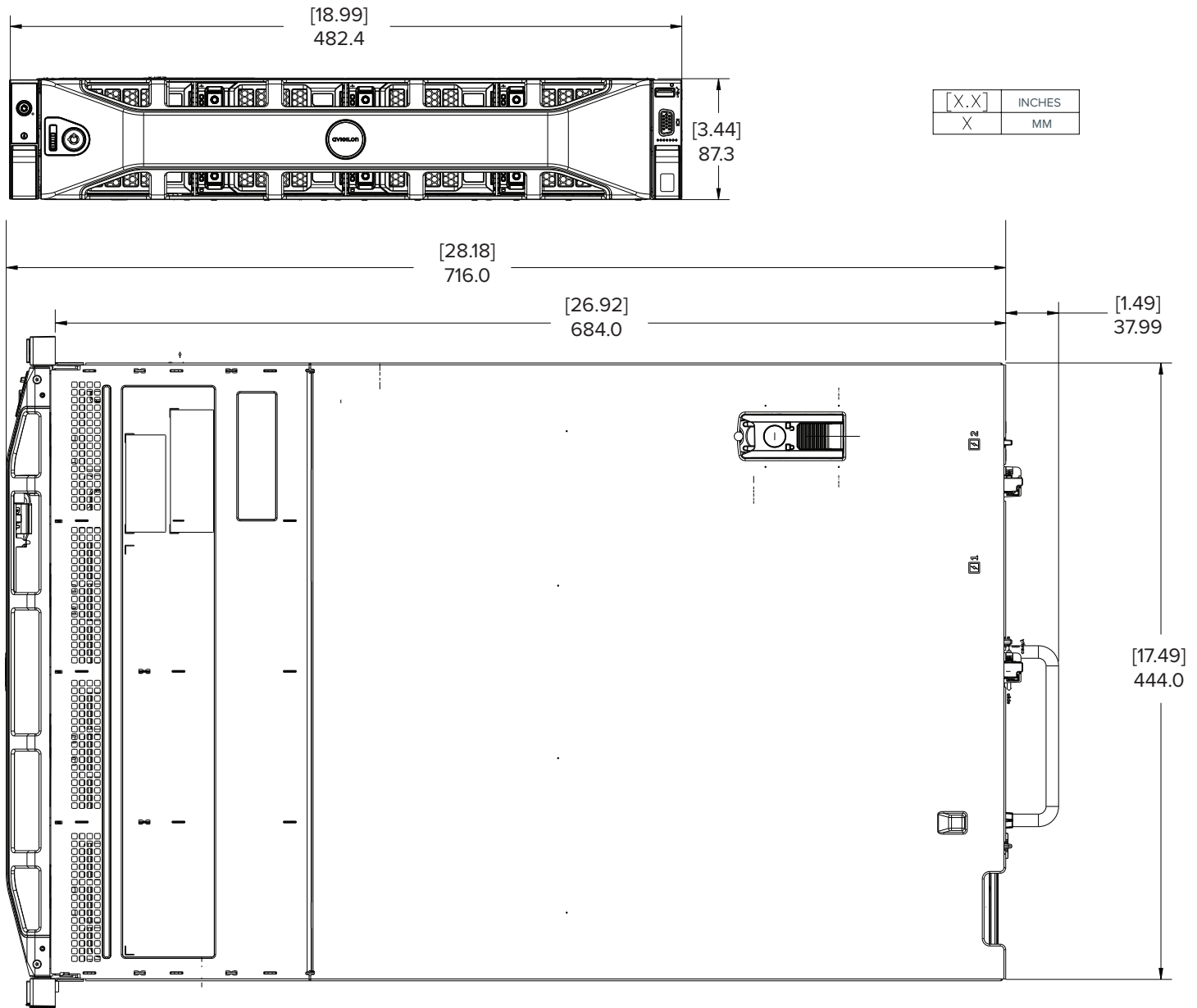
ELECTRICAL		Power Input		100 to 240 VAC, 50/60 Hz, auto-switching	
Power Supply		Redundant, hot swappable			
Power Consumption		429 W (1463.8 BTU/h)			

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"> • 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		2			

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



NETWORK VIDEO RECORDER

Ordering Information

HD-NVR3-PRM-32TB	32 TB HD NVR Premium with Microsoft Windows Server 2012 R2 for Embedded Systems and Avigilon Control Center
HD-NVR3-PRM-48TB	48 TB HD NVR Premium with Microsoft Windows Server 2012 R2 for Embedded Systems and Avigilon Control Center
HD-NVR3-PRM-56TB	56 TB HD NVR Premium with Microsoft Windows Server 2012 R2 for Embedded Systems and Avigilon Control Center
HD-NVR3-PRM-84TB	84 TB HD NVR Premium with Microsoft Windows Server 2012 R2 for Embedded Systems and Avigilon Control Center

* Avigilon Control Center licenses must be purchased separately

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