HD NVR Premium

Avigilon's 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) 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 Premium is the industry's leading high-performance, high-capacity recorder, engineered to provide maximum reliability, availability and scalability for the most demanding enterprise video management environments.

Preloaded and configured with ACC high definition video management software, the HD NVR Premium is optimally 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 100+ high-definition camera streams to support any large enterprise surveillance system

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 activities

Remote access support for system administrators

2U rack mount chassis with sliding rails and cable management arm, for ease of serviceability

Specifications

SYSTEM

Avigilon Control Center Edition	Enterprise, Standard and Core compatible
Recording Rate	With 10 GbE networking – up to 1200 Mbps recording with a limit of 600 Mbps simultaneous client retrieval With 1 GbE networking – up to 700 Mbps recording with a limit of 250 Mbps simultaneous client retrieval
Camera Streams	135 (at 9 Mbps per stream)
Recording Image Rate	Up to 30 images per second per stream
Local Viewing	No
Operating System	Microsoft Windows Server 2012 R2
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
Recording Storage Capacity	Up to 84 TB effective (after RAID 6)
Processor	Intel Xeon Processor E5-2620 V3, 2.4GHz, 15M Cache
Memory	16GB DDR4
Network Interface	2 x 10 GbE SFP+ ports (transceivers not included) 4 x 1 GbE RJ-45 ports (1000Base-T)
Video Outputs	2 x VGA
Remote Access	iDRAC8 Express

MECHANICAL

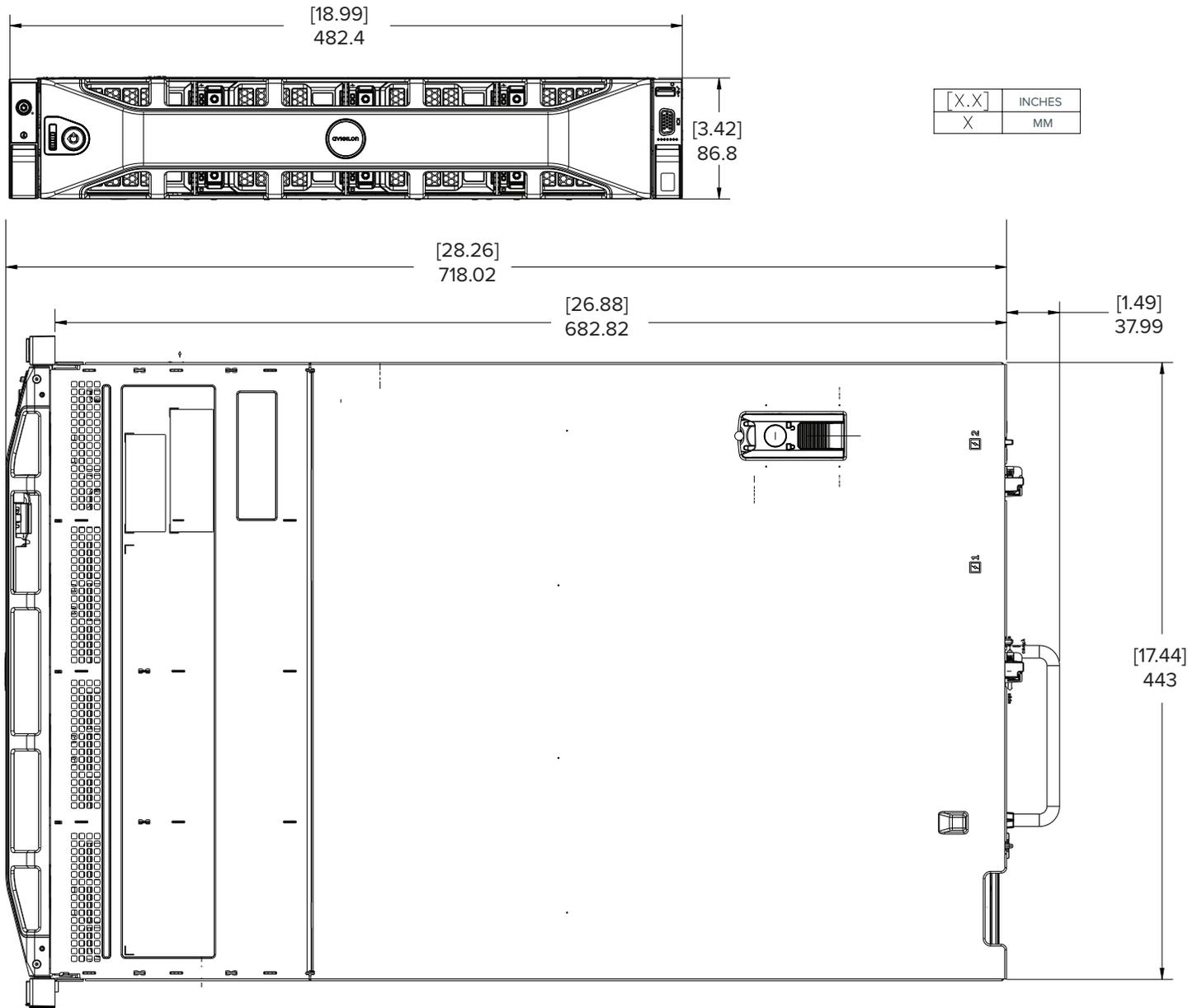|	
Form Factor	2U rack mount chassis
Dimensions (LxWxH)	718.02 mm x 482.4 mm x 86.8 mm; 28.26" x 18.99" x 3.42"
Weight	32.5 kg (71.65 lbs) when fully populated with hard disk drives

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: • Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks • Tooled mounting in threaded hole 4-post racks
Bezel	1, front
Power Cords	2

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

[18.99]
482.4

[3.42]
86.8

[X.X]	INCHES
X	MM

[28.26]
718.02

[26.88]
682.82

[1.49]
37.99

[17.44]
443

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** =