NVR4 Value

NVR4-VAL-6TB, NVR4-VAL-12TB, NVR4-VAL-16TB, NVR4-VAL-24TB

Avigilon 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 NVR4 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 NVR4 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 NVR4 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 428 Mbps of total throughput – simultaneous recording, playback, and live streaming
- Highly scalable capacity options — up to 24TB 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 300 Mbps
	Playback and Live Streaming	Up to 128 Mbps (while simultaneously recording video)
Recording Storage Capacity		Up to 32 TB raw, 24 TB effective (RAID 5)
Avigilon Appearance Search Capacity		Up to 35 cameras**
Hard Disk Drive Configuration		Video data — up to 4 hard drives, 3.5" form factor, hot-swappable, RAID 5
Network Interface		2 x 1 GbE RJ-45 ports (1000Base-T), (Optional) 2 x 10 GbE SFP+ ports (transceivers not included)
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		iDRAC9 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 H3A, H4A, or H5A 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	594.13 mm x 482.6 mm x 42.8 mm; 23.39" x 19" x 1.69"
Weight		13.6 kg; 29.98 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 (1340 BTU/hr)
Power Efficiency	80 PLUS Platinum, ENERGY STAR 2.0

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	One pulse on each side of the system of 71 G for up to 2 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

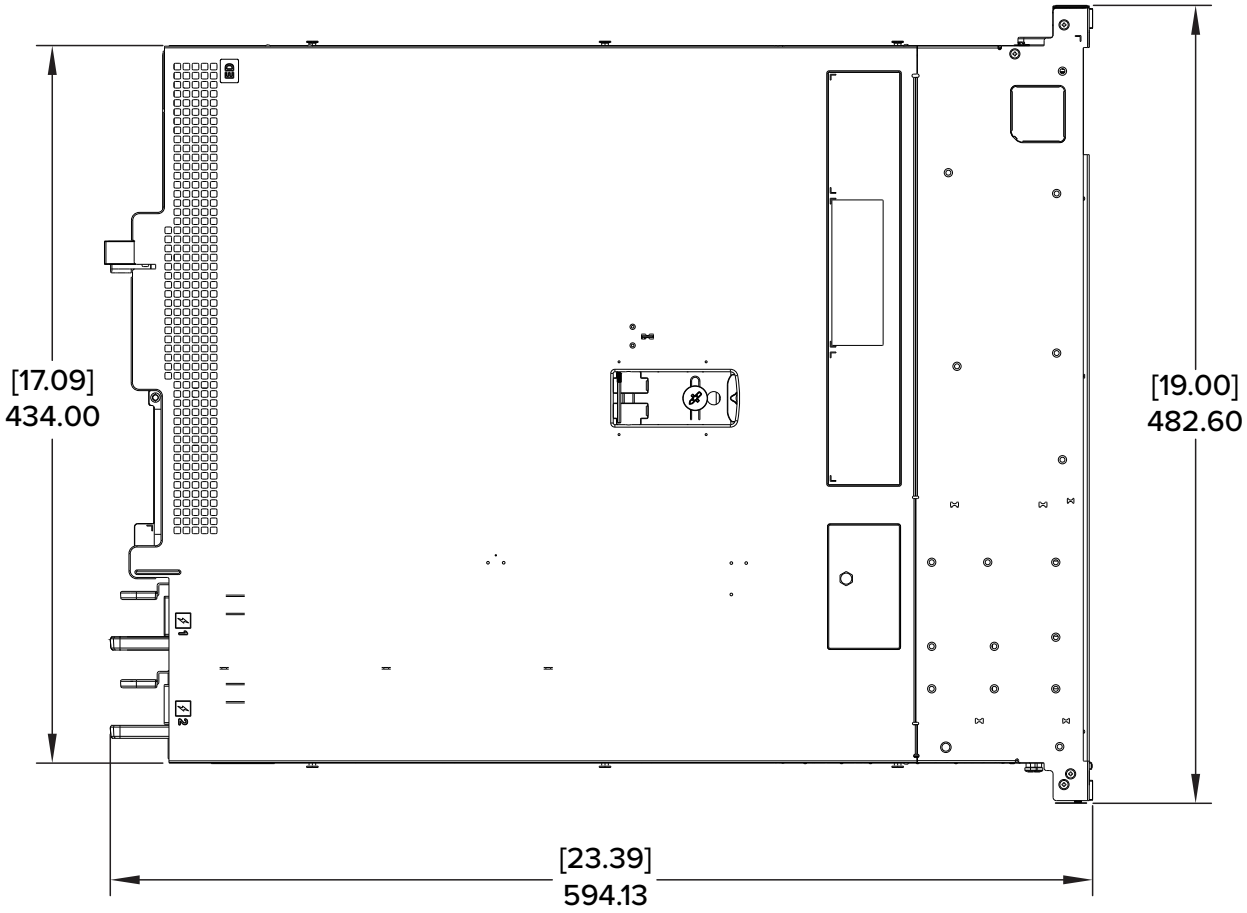
Rack Rail System	Sliding rail system with cable management arm. Supports: • Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks • Tooled mounting in threaded hole 4-post racks
Bezel	1, front
Power Cords	1

CERTIFICATIONS

Certifications/Directives	UL, cUL, CE, RCM, BSMI, CCC, EAC, KC, NOM, NRCS, VCCI, RoHS, Reach (SVHC), WEEE. BIS
Safety	UL/CSA/EN/IEC 60950-1
Electromagnetic Emissions	CFR Title 47, FCC Part 2, 15 Class A, ICES-003(A), EN 55032 Class A, EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity	EN 55024

Outline Dimensions

[X.X]	INCHES
X	MM



Ordering Information

NVR4-VAL-6TB	6 TB NVR4 Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
NVR4-VAL-12TB	12 TB NVR4 Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
NVR4-VAL-16TB	16 TB NVR4 Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
NVR4-VAL-24TB	24 TB NVR4 Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
Avigilon Control Center licenses must be purchased separately	

NVR-ANK2-1	Analytics Kit for Avigilon Appearance Search software
NVR4-VAL-10GBE	Network Card, DP 10G-SFP+ NVR4 VAL
NVR4-VAL-2NDPS-AU	Redundant, hot-swappable power supply, for AU
NVR4-VAL-2NDPS-EU	Redundant, hot-swappable power supply, for EU
NVR4-VAL-2NDPS-NA	Redundant, hot-swappable power supply, for NA
NVR4-VAL-2NDPS-UK	Redundant, hot-swappable power supply, for UK
NVR4-VAL-WARR-EXTEND-2YR	2 year warranty extension - NVR4 VAL
NVR4-VAL-WARR-EXTEND-1YR	1 year warranty extension - NVR4 VAL

NVR4-VAL-xxTB-NA =
NVR4-VAL-xxTB-**UK** =
NVR4-VAL-xxTB-**EU** =
NVR4-VAL-xxTB-**AU** =

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