

# 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-todeploy video recording platform designed for single site surveillance or to be distributed across multiple remote sites.

#### **KEY FEATURES**

Preloaded and configured with ACC<sup>™</sup> 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<sup>™</sup> technology support with an optional kit

A three-year warranty with onsite parts delivery service

## Specifications

#### SYSTEM

Video Management Software		Avigilon Control Center <sup>™</sup> – 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 <u>Sales</u>. \*\* 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.

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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		<ul> <li>Sliding rail system with cable management arm. Supports:</li> <li>Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks</li> <li>Tooled mounting in threaded hole 4-post racks</li> </ul>
	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

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	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**



## 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-V					

VAL-XXTB-NA







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