

NVR5X Workstation

4 TB

8 TB

Simplify site monitoring by combining a network video recorder and a powerful client workstation into one powerful NVR5X Workstation. Quick to deploy and optimized to perform Avigilon Unity Video workloads with rigorous stress tests, experience superior performance and reliability with the Avigilon NVR5X Workstation.



Features



Tested Performance

The Avigilon Workstation lineup has been stress tested through various component combinations for the highest performance for ACC Client workloads.



Easy Recovery

A purpose-built and turnkey solution that is simple and secure for Security and IT teams to deploy.



Small Form Factor

Its streamlined size and design reduces hardware footprint for space-constrained areas, while still serving as an all-in-one workstation that is able to record and monitor video.



All-In-One Solution

The NVR5X Workstation delivers an all-in-one solution for small to medium sites that need local recording and playback.

Specifications

Performance		
Network Video Streaming Performance	Recording Data Rate	Up to 120 Mbps
	Playback and Live Streaming	Up to 100 Mbps
Video Playback Performance‡	2 MP @ 30 fps	18 Primary Streams
	4 MP @ 30 fps	18 Primary Streams
	8 MP @ 30 fps	4 Primary Streams + 14 Secondary Streams
	16 MP @ 24 fps	2 Primary Streams + 16 Secondary Streams
	61 MP @ 7 fps	4 Primary Streams + 14 Secondary Streams

‡Primary streams are high resolution/bandwidth, secondary streams are low resolution/bandwidth.

Performance	4TB	8TB
Supported Monitor Interfaces	Combination of up to 2: DP and HDMI (HDMI adapters are supplied)	
Operating System	Microsoft Windows 11 IoT Enterprise LTSC (2024)	
Processor	Intel i5 (12th Gen)	
Memory	16G DDR5 Memory	
OS Drive	M.2 256 GB PCIe NVMe Class 35 SSD	
Video Data Drive	1x SATA drive, 4 TB HDD	1 SATA drive, 8 TB HDD
Network Interface	1x 1GbE and 1x 2.5GbE	
Optical Drive	DVD-RW	
Avigilon Control Center™ Edition	Enterprise, Standard or Core compatible	
Warranty	Lifetime 24/7 Avigilon technical phone support and a 3x3x3 Warranty	

Mechanical	
Form Factor	Small form factor
Dimensions (DxWxH)	(Standard desktop orientation) 384 mm x 308 mm x 100 mm (15.1 in x 12.1 in x 3.95 in)
Weight	Starting at 13.1 lb

Electrical	
Power Input	90 to 264 VAC, 50/60 Hz, auto-switching
Power Supply	Single non-redundant
Power Consumption	269 W

Environmental	
Operating Temperature	5° to 35° C (40° to 95° F) Maximum rate of change: 10°C/hr
Storage Temperature	Non-operating: -40° to 60° C (-40° to 140° F)
Humidity	Operating: 8% to 85% RH, non- condensing, 35° C maximum wet bulb Non-operating: 8% to 90% relative humidity, non-condensing, 35° C maximum wet bulb
Operating Vibration	0.5g (rms), 5-300 Hz, up to 0.0025g²/Hz Non-operating random: 2.0g (rms), 5-500 Hz, up to 0.0150 g²/Hz
Operating Shock	½-sine: 40g, 2-3ms (~62 cm/sec) Non-operating: ½-sine: 160 cm/s, 2-3ms (~105g) square: 422 cm/s, 20g
Operating Altitude	with Rotational Hard Drives): 3,048 m (10,000 feet) Operating Non-operating: 12,192 m (40,000 feet) Maximum operating temperature is reduced as altitude increases.

Supplied Accessories	
NVR5X-WKS-4TB	USB Keyboard, USB Mouse, Power cord, 2DP to HDMI adapters †
NVR5X-WKS-8TB	USB Keyboard, USB Mouse, Power cord, 2DP to HDMI adapters †

†Monitor sold separately

Certifications	
Certifications/Approvals	UL, cUL, CE, UKCA, ROHS, RCM, KC, NOM, BSMI, CCC, NRCS, VCCI, CMIM, PSB, TBD MSI
Safety Standards	UL/CSA/IEC/EN 62368-1
Electromagnetic Emissions Standards	FCC Part 15 Subpart B (Class B), ICES-003 (Class B), EN 55032 (Class B), EN61000-3-2, EN61000-3-23
Electromagnetic Immunity Standards	EN55035

Ordering Information

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NVR5X-WKS-4TB	NVR5X Workstation, 4.0 TB Storage†
NVR5X-WKS-8TB	NVR5X Workstation, 8.0 TB Storage†

†Monitor sold separately

NVR5X-WKS-xTB-NA



NVR5X-WKS-xTB-UK



NVR5X-WKS-xTB-EU



NVR5X-WKS-xTB-AU



Support

Learn more and find additional documentation at [avigilon.com](https://www.avigilon.com) or email sales@avigilon.com for specific product support



AVIGILON™

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