

NVR5X Workstation

8 TB | 4 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.



Tested performance

Gain comprehensive visibility for large, open areas such as city centers, campuses, or terminals with wide-area panoramic coverage and dynamic PTZ precision in a single camera.



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.



MOTOROLA SOLUTIONS



Compliant with NDAA 2019
Section 889

Performance

Network Video Streaming	
Recording Data Rate	Up to 120 Mbps
Playback and Live Streaming	Up to 100 Mbps
† Monitor sold separately. Regional power-cord variants: NVR5X-WKS-xTB-NA, NVR5X-WKS-xTB-UK, NVR5X-WKS-xTB-EU, NVR5X-WKS-xTB-AU.	

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
† Monitor sold separately. Regional power-cord variants: NVR5X-WKS-xTB-NA, NVR5X-WKS-xTB-UK, NVR5X-WKS-xTB-EU, NVR5X-WKS-xTB-AU.	

Specifications

System	4 TB	8 TB
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® Core™ i5 (12th Gen)	
Memory	16 GB DDR5 Memory	
OS Drive	M.2 256 GB PCIe NVMe Class 35 SSD	
Video Data Drive	1 × SATA drive, 4 TB HDD	1× SATA drive, 8 TB HDD
Network Interface	1 × 1 GbE and 1 × 2.5 GbE	
Optical Drive	DVD-RW	
Avigilon Control Center™ Edition	Enterprise, Standard or Core compatible	
Warranty	Lifetime 24/7 Avigilon technical phone support and a 3×3×3 Warranty	

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 0.0025 g²/Hz. Non-operating random: 2.0g (rms), 5–500 Hz, up to 0.0150 g²/Hz
Operating Shock	½-sine: 40g, 2–3 ms (~62 cm/sec). Non-operating: ½-sine: 160 cm/s, 2–3 ms (~105g); square: 422 cm/s, 20g
Operating Altitude	Operating (with Rotational Hard Drives): 3,048 m (10,000 feet). Non-operating: 12,192 m (40,000 feet). Maximum operating temperature is reduced as altitude increases.

Mechanical	
Form Factor	Small form factor
Dimensions (H × W × D)	(Standard Desktop Orientation) 100 mm × 308 mm × 384 mm; 4.0" × 12.1" × 15.1"
Weight	Starting at 13.1 lb

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), EN 61000-3-2, EN 61000-3-3
Electromagnetic Immunity Standards	EN 55035

Supplied Accessories	
NVR5X-WKS-4TB	USB Keyboard, USB Mouse, Power cord, 2× DP to HDMI adapters [†]
NVR5X-WKS-8TB	USB Keyboard, USB Mouse, Power cord, 2× DP to HDMI adapters [†]
[†] Monitor sold separately. Regional power-cord variants: NVR5X-WKS-xTB-NA, NVR5X-WKS-xTB-UK, NVR5X-WKS-xTB-EU, NVR5X-WKS-xTB-AU.	

Ordering Information

Part Number	
NVR5X-WKS-4TB	NVR5X Workstation, 4.0 TB Storage [†]
NVR5X-WKS-8TB	NVR5X Workstation, 8.0 TB Storage [†]
[†] Monitor sold separately. Regional power-cord variants: NVR5X-WKS-xTB-NA, NVR5X-WKS-xTB-UK, NVR5X-WKS-xTB-EU, NVR5X-WKS-xTB-AU.	

NVR5X-WKS-xTB-NA



NVR5X-WKS-xTB-UK



NVR5X-WKS-xTB-EU



NVR5X-WKS-xTB-AU



Support

For product support, visit: [avigilon.com](https://www.avigilon.com) or sales@avigilon.com



Motorola Solutions, Inc. 500 West Monroe Street, Chicago, IL 60661 U.S.A. [motorolasolutions.com](https://www.motorolasolutions.com)

© 2026, Avigilon Corporation. All rights reserved. MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners.

20260728-en Rev 1