



VideoX[®] V5 V200 NVR



V5 Video Server

- Windows Server Wkgrp
- HW RAID 5, up to 96TBs
- N+1 hot-swap power, cooling & drives
- 1000 Mbs throughput
- 4 Bay 1U Rack w/ rails



VideoX Enterprise Features



Flexible & scalable Tier-1 Enterprise Storage

Flexible configurations for security teams to cost-effectively scale up petabytes in tier-1 storage capacity and tailor it to their unique retention requirements. VideoX NVRs feature enterprise class HDDs & SSDs for tier-1 availability & performance.



Lower Deployment Costs - Hardware Accelerated H.265

V5 VideoX micro-architecture acceleration delivers up to 2.3x H.265 stream processing per server, providing 30–50% storage and bandwidth savings versus H.264. Integrators can reduce server counts, increase camera density, and extend retention—without increasing the budget.



High Data Availability

Ultra reliable storage with RAID-configured redundancy offers a highly available and resilient system that protects your data. All VideoX Enterprise models include enterprise hard drives with RAID 5/6/60 redundancy to tolerate up to 2/4 hard drive failures.



Strengthen Cybersecurity

Designed with cybersecurity in mind, VideoX comes with a TPM 2.0 module built-in to support hardware Root of Trust authentication and data encryption. All VideoX are fully NDAA Compliant.



Advanced Support

5 Years, Next Business Day, Advanced Parts Replacement warranty ensures uptime continuity. Secure remote management & advanced Level 2 support delivers rapid response & uptime.

Key Attributes

- Windows Server 2022 or 2025
- AMD EPYC 4005 Zen5 CPU
- 16GB DDR5 DRAM
- Up to 96TB capacity
- 4x Enterprise 24/7 HDDs
- 2x Mirrored, hot-swap OS SSD
- Single drive failure protection
- Dual 10Gb Ethernet ports
- Remote management IPMI
- TCG 2.0 Cybersecurity w/ TPM



Recommended Usage

- Perfect for small to mid-sized deployments, this solution strikes the right balance between performance, protection, and cost. It's built to handle mid-range surveillance projects without added complexity, powerful, practical, and ready to scale
- Client View application on server not recommended (run on client view workstation)
- V250-MGM designed as a Management/Directory server with SSD's instead of HDDs



For more information visit: Arxys.com/videox-appliances

Arxys | 1810 Gillespie Way Suite 108, El Cajon, CA 92020 | 619.258.7800 | info@Arxys.com | www.Arxys.com.

VMS licensing and support is not included and is provided by the security partner or customer. rev:



VideoX[®]



V5 V200/250 NVR

Enterprise Server for Video Surveillance

Hardware Information

CPU

5th Generation Zen5 AMD EPYC 4245 - 6C/12T - 3.9Ghz/5.1Ghz
- 65W - 32MB Cache - 65W TDP

Hardware Acceleration

Chiplet microarchitecture. AMD Infinity Architecture, AMD Infinity Guard, CXL 2.0, AI & Analytics acceleration: Native 512-bit data paths in the core, instruction pipeline optimizations, and additional integer and floating-point units boost h.265 math.

RAM

16GB DRAM DDR5 (minimum)

OS

Microsoft Windows Server Workgroup 2022 or 2025 (LTSC)

VMS/OS Drive

2x Mirrored, 480GB Enterprise 3D TLC Flash SSD, Hot Swap
Dedicated for OS/VMS

Hard Drives

Up to 4x Enterprise Class 7200 RPM, 3.5" HDD's, 2.5M
MTBF, 600k Duty Cycle, Certified 24/7 Operation, tool-less
Hot-swap

Storage Capacities

Up to 96TB raw capacity

RAID

Hardware RAID 5 Fault Tolerance w/ HW XOR Engine,
CacheVault protection, patrol read repairs

Network

2x (Two) Enterprise 10Gb Eth RJ45 ports + 1Gb IPMI

Display Ports

VGA (Client View applications not supported on server)

Credential & Key Encryption

AMD Secure Encrypted Virtualization (SEV) · AMD Secure
Memory Encryption (SME) · Cryptographically signed
firmware · Data at Rest Encryption (SEDs with local or
external key mgmt) · Secure Boot · Secured Component
Verification (Hardware integrity check) · Secure Erase ·
Silicon Root of Trust · System Lockdown · TPM 2.0 FIPS,
CC-TCG certified

Remote Management

Out of Band (OOB) Remote Management including: IPMI
System Management, KVM Console Redirection

General Information

Form Factor

Standard 19" Rackmount w/Rails 1U height

Power Specifications

800W 1+1 redundant PSU -
AC Input: 100-240V~/10-5A, 50-60Hz -DC Input: 240Vdc/ 4A

Max Power Consumption

800W up to 80% efficient (Platinum) hot-plug redundant

Cooling

5 x 40x40x56mm (29,700rpm)

Dimensions

710mm (depth) x 438mm (width) x 44mm (height)

Weight

Ship WeightW/ 4x HDDs = 27k/45lbs

Warranty

5 Years Advanced Warranty with NBD Advanced Parts
Replacement of Field Replaceable Units (FRUs).

Environmental Information

This unit is intended for stationary server room and office
use, according to the conditions stated below.

Operating Temperatures

10- 30 C / 41 - 86 F

Storage Temperatures

-40 - 65 C / -40 - 149 F

Humidity

10 – 80% relative humidity (non-condensing)

Regulatory Information

Safety & Emission Standards

CE (class A), UKCA, FCC, RCM, UL.

Trade Compliance

NDAA Compliant, no disclosures

A Microsoft Windows license is included with all systems. Systems ship with Microsoft Windows operating systems pre installed without media, but not setup which is the responsibility of the installer. Video management software & other application installers are included but NOT installed, on the OS drives. Installation, and configuration of the video management software and any other application to be performed by installer/integrator or end user. The installer of the system must install the appropriate VMS version, do all configuration and setup of users and cameras, databases etc. Latest Milestone & Avigilon best practice is to use SQL Standard on all installations over 300 cameras. SQL Standard is optional and not included with Milestone, Avigilon or any other VMS.

For more information visit: [Armys.com/videox-appliances](https://www.Armys.com/videox-appliances)

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Windows Server IoT for Storage Workgroup EULA and Microsoft Conditions should be respected at all times by the end user.