

V250/V255

4 BAY · 1U RACK · MANAGEMENT / DIRECTORY
SERVER

NDA

CE / UKCA

FCC / UL / RCM

THROUGHPUT

—

CAMERAS MANAGED

250 / 500

DRIVE BAYS

4

FORM FACTOR

1U Rack

RECOMMENDED USAGE

Management/Directory servers for larger deployments with greater management and uptime considerations. Excellent balance of performance and value to right size your projects

KEY ATTRIBUTES

- Windows Server Workgroup 2022 or 2025 (LTSC)
- 5th Generation Zen5 AMD EPYC CPU
- 2x Mirrored, hot-swap DB SSD
- Mirrored OS SSDs
- 2x (Two) Enterprise 1Gb Eth RJ45 ports + 1Gb IPMI
- N+1 hot-swap power, cooling & drives
- TCG 2.0 cybersecurity w/ TPM



5-Year NBD Advanced Parts Warranty

5 Years Advanced Warranty with NBD Advanced Parts Replacement of Field Replaceable Units (FRUs). Secure remote management & advanced support delivers rapid response & uptime.

VIDEOX ENTERPRISE FEATURES

- Purpose-built for management & directory roles**
Keeps directory and database work off the recording servers, where it would otherwise compete with video for I/O.
- Enterprise SSD database performance**
Mirrored hot-swap enterprise SSDs dedicated to the database, separate from the mirrored OS pair, on hardware RAID with CacheVault protection.
- High data availability**
RAID-configured redundancy with N+1 hot-swap power, cooling and drives throughout, for a resilient, continuously available system.
- Strengthen cybersecurity**
A built-in TPM 2.0 module supports hardware Root of Trust authentication and data encryption. All VideoX are fully NDA compliant.

VALIDATED
WITH

Milestone

Genetec

Avigilon

Hanwha WAVE

NX Witness

Exacq

WHERE THE V250 / V255 SIT IN THE MANAGEMENT & ACCESS CONTROL LINE

Role · capacity

V150 Access control ACM	V250 Management 0–250 cameras	V255 Management 251–500 cameras	V260 Access control ACM	V265 Access control ACM
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MANAGEMENT CAPACITY

V250 0–250 · V255 251–500

ROLE	CAMERAS	RECORDING	NOTES
V250 management server	0–250	None	Directory + management only
V255 management server	251–500	None	Directory + management only
Management w/ failover	Per model	None	Requires 2× servers + VMS failover licensing
Client View on server	—	None	Not recommended — use a workstation

Management and directory server roles only — no video recording. Counts are approximations and always VMS dependant. Windows Server IoT for Storage Workgroup EULA and Microsoft conditions should be respected at all times by the end user.

ORDERABLE CONFIGURATIONS

PART NUMBER	MODEL	CONFIGURATION	CAMERAS MANAGED
VX5-V250-MGM	V250	6C/12T, 16GB DRAM DDR5 (minimum), 32MB Cache	0–250
VX5-V255-MGM	V255	12C/24T, 32GB DRAM DDR5 (minimum), 64MB Cache	251–500

V250 and V255 share one chassis and one spec sheet — the difference is CPU tier, memory and SSD capacity, sized to the number of cameras under management.

REAR I/O PANEL



GENERAL INFORMATION

Systems ship with Microsoft Windows pre-installed without media and not set up; the installer is responsible for setup, VMS installation, and configuration of users, cameras and databases. VMS installers are included but not installed. Client View application on server is not recommended; run it on a Client View workstation.

HARDWARE INFORMATION

CPU	5th Generation Zen5 AMD EPYC · V250 = 4245, 6C/12T, 3.9Ghz/5.1Ghz, 32MB Cache · V255 = 4465, 12C/24T, 3.4Ghz/5.4Ghz, 64MB Cache
RAM	V250 = 16GB DRAM DDR5 (minimum) · V255 = 32GB DRAM DDR5 (minimum)
Operating system	Microsoft Windows Server Workgroup 2022 or 2025 (LTSC)
VMS / OS drive	2x Mirrored, Enterprise 3D TLC Flash SSD, Hot Swap, Dedicated for OS/VMS · V250 = 2x 480GB · V255 = 2x 960GB
Database drive	2x Mirrored, hot-swap DB SSD
Storage capacity	Not applicable — no video recording volume
RAID	Hardware RAID 1 mirroring, CacheVault protection, patrol read repairs
Network	2x (Two) Enterprise 1Gb Eth RJ45 ports + 1Gb IPMI
Display	VGA (Client View applications not supported on server)
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
Management	Out of Band (OOB) Remote Management including: IPMI System Management, KVM Console Redirection

REGULATORY & ENVIRONMENTAL

Form factor	Standard 19" Rackmount w/Rails 1U height
Power	800W 1+1 redundant PSU · 100-240V~/10-5A, 50-60Hz · 240Vdc/ 4A
Max draw	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 SSDs = 24k/40lbs
Operating temp	10- 30 C / 41 - 86 F
Storage temp	-40 - 65 C / -40 - 149 F
Humidity	10 – 80% relative humidity (non-condensing)
Safety	CE (class A), UKCA, FCC, RCM, UL
Trade	NDAA Compliant, no disclosures