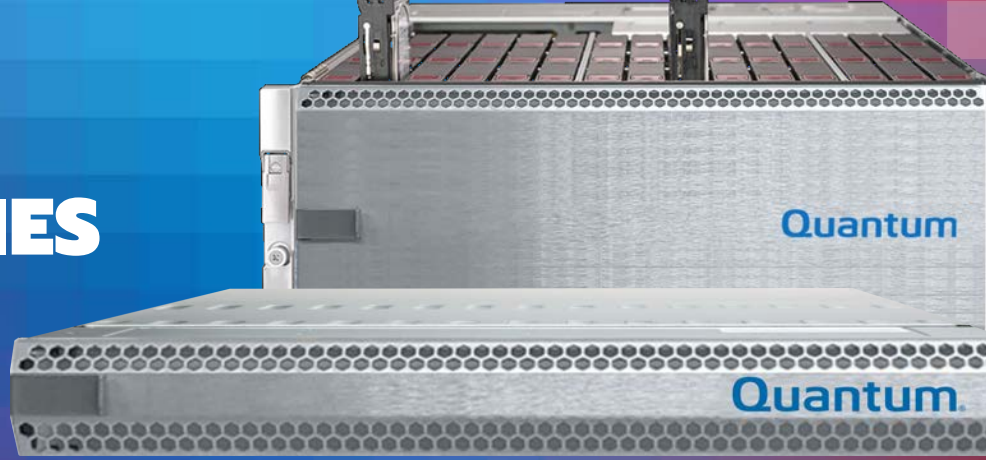


Quantum.

# VS-NVR SERIES

HIGH-PERFORMANCE,  
COST-EFFECTIVE VIDEO  
RECORDING SERVERS



## DATASHEET

Quantum offers a broad portfolio of network video recording servers to meet the needs of any surveillance environment, from a few cameras to hundreds of cameras. Each product is designed with the latest hardware to achieve the best performance at the best price, and to maximize the useful life of the products.

The VS-NVR series is available in a variety of form factors, including mini-tower, 1U rack mount, and an ultra-dense 4U 60-bay rackmount server for recording and retaining footage from hundreds of cameras for months or years.

Every product is backed by Quantum's global support organization, providing installation and support 24x7x365 to tens of thousands of customers around the world.

### FEATURES AND BENEFITS

- **High Performance:** Designed with the latest hardware and operating systems to maximize the number of cameras each product can support.
- **Cost-Effective:** Each VS-NVR product was designed and specified to achieve the best performance at the lowest cost.
- **Easy to Deploy and Maintain:** VS-NVR series products are pre-certified and pre-installed with the operating system so you can connect it to your network and start to record in minutes.
- **Latest Generation Hardware:** Quantum VS-Series products use the latest generation hardware resulting in longest lifecycles for your projects.



LEARN MORE:

[www.quantum.com/video-surveillance](http://www.quantum.com/video-surveillance)

# TECHNICAL SPECIFICATIONS



Appliance	VST102-NVR	VST104-NVR	VS1004-NVR	VS4160-NVR
<b>Use Case*</b>	NVR for <30 cameras	NVR for <30 cameras with additional space for longer retention of video	NVR for <150 cameras	NVR for 400+ cameras and longer retention of video
<b>Form Factor</b>	Mini-Tower	Mini-Tower	1U Rack Mount	4U Rack Mount
<b>Boot Drives</b>	1x 256 GB NVMe M.2	1x 256 GB NVMe M.2	1x 256 GB NVMe M.2	2x SSD (480 GB each)
<b>Base # HDDs</b>	2	4	2	36
<b>Max # HDDs</b>	2	4	4	60
<b>Max Raw Capacity (TB) (not incl. boot drives)</b>	24	48	64	960
<b>Max # of SSDs (non-boot)</b>	N/A	N/A	N/A	N/A
<b>RAM</b>	8 GB	8 GB	16 GB	128 GB
<b>CPU</b>	Core i5-8500 (6C/6T, 3 GHz, 9M Cache, 65 W, 630 Graphics)	Core i5-8500 (6C/6T, 3 GHz, 9M Cache, 65 W, 630 Graphics)	E-2176G (6C/12T, 3.70 GHz, 12M Cache, 80 W, P630 Graphics)	2 Xeon Gold 6230 (20C/40T, 2.1 GHz, 27.5M Cache, 125 W)
<b>Avg CPU Passmark Score (from cpubenchmark.net)</b>	11830	11830	15582	24559 (per CPU)
<b>Operating System</b>	Windows 10 IoT Enterprise	Windows 10 IoT Enterprise	Windows 10 IoT Enterprise	Windows Server 2019 Standard Edition
<b>Power Supply</b>	1x 250 W 80 PLUS® Certified Bronze with IEC320 C14 receptacle	1x 250 W 80 PLUS Certified Bronze with IEC320 C14 receptacle	1x 350 W 80 PLUS Certified Platinum with IEC320 C14 receptacle	2x 2000 W Redundant, Hot Swap, 80 PLUS Certified Titanium, each with IEC320 C14 receptacle
<b>Display Connections</b>	1 VGA D-Sub Connector port, 1 DVI-D port, 1 DisplayPort, 1 HDMI - up to 3 Independent Displays	1 VGA D-Sub Connector port, 1 DVI-D port, 1 DisplayPort, 1 HDMI - up to 3 Independent Displays	1 VGA D-Sub Connector port, 1 DVI-D port, 2 DisplayPorts - up to 3 Independent Displays	1 VGA D-Sub Connector port
<b>Network Connections</b>	2x1GbE	2x1GbE	2x1GbE	4x10GbE
<b>Dimensions (h x w x d)</b>	9.45" (240 mm) x 8.27" (210 mm) x 11" (279 mm)	9.45" (240 mm) x 8.27" (210 mm) x 11" (279 mm)	1.7" (43 mm) x 17.2" (437 mm) x 19.8" (483 mm)	7" (178 mm) x 17.2" (437 mm) x 30.2" (767 mm)
<b>Warranty</b>	1 yr or 3 yrs NBD (CRU or Onsite)	1 yr or 3 yrs NBD (CRU or Onsite)	3 yrs NBD (CRU or Onsite)	3 yrs NBD (CRU or Onsite)

\*Supported # of cameras assumes 1080p cameras @ 30 fps using H.264.



Quantum technology and services help customers capture, create, and share digital content—and preserve and protect it for decades at the lowest cost. Quantum's platforms provide the fastest performance for high-resolution video, images, and industrial IoT, with solutions built for every stage of the data lifecycle, from high-performance ingest to real-time collaboration and analysis and low-cost archiving. Every day the world's leading entertainment companies, sports franchises, research scientists, government agencies, enterprises, and cloud providers are making the world happier, safer, and smarter on Quantum. See how at [www.quantum.com](http://www.quantum.com).

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