Quantum
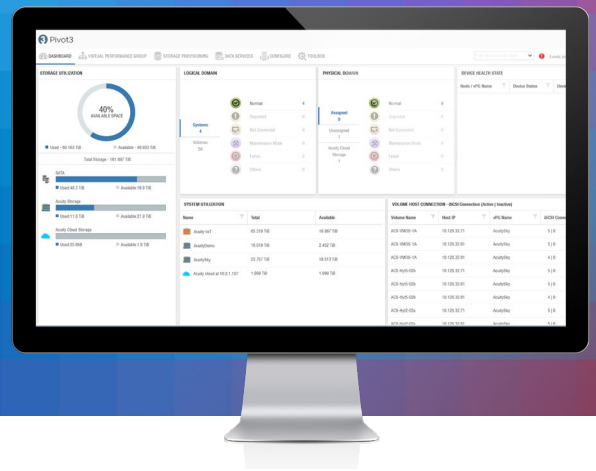
VS-HCI SERIES
IT INFRASTRUCTURE FOR MISSION-CRITICAL SURVEILLANCE AND SECURITY

Software-based intelligence designed for video surveillance.

The Quantum VS-HCI Series is purpose-built for supporting video management systems (VMS), video storage, and video analytics, plus enabling the consolidation of other related applications such as access control onto an integrated server and storage platform called hyperconverged infrastructure (HCI).

The Quantum VS-HCI Series uses innovative software-based intelligence and automation to simplify management, provide the highest levels of resilience and efficiency, and ensure scaling and maintenance are easy. With solutions optimized for edge and centralized environments as well as security operations centers, and support for any VMS and video analytics, the Quantum VS-HCI Series can cover all your video capture, storage, and visualization needs.

FEATURES & BENEFITS

Resilience and High Availability
The VS-HCI Series patented system-level resilience and data protection technology ensures you can continue to store, access, and analyze video even in the event of disks or an appliance failure. Storage will remain online, applications automatically failover and restart, and recorded video will remain protected and accessible, all without the need for redundant software, licensing, or hardware.

Simplified Management
The VS-HCI Series software automates many management tasks such as resource allocation, health monitoring, self healing, and upgrade orchestration, meaning no specialized skills are needed to manage this enterprise-class infrastructure.

Flexible Scalability
Deploy the VS-HCI Series with only the server and storage resources you currently need, minimizing your upfront costs. As camera counts grow, new camera technologies are deployed, or retention times increase, add just the storage, compute, GPU, and bandwidth needed by simply adding appliances, with no system downtime.

Purpose-Built for Video
Optimized to handle the unique requirements of modern video surveillance workloads, the VS-HCI Series eliminates frame drops to ensure video loss and image degradation never occur. Every VS-HCI appliance's storage and performance resources are aggregated and available to every camera, so you can be confident that cameras will get the sustained performance they require, even in the event of hardware failure.

Better Economics
With the VS-HCI Series, you require less hardware to support the needed camera counts and storage capacity. Consolidating multiple applications on the VS-HCI Series eliminates other standalone server hardware in your environment, reducing upfront and ongoing power, cooling, and maintenance costs.

LEARN MORE:

www.quantum.com/video-surveillance

TECHNICAL SPECIFICATIONS

	Surveillance and Storage	Surveillance and Storage	Edge Surveillance and Storage	Video Analytics and Virtual SOC
Model Name	VS2000-HCI VS2000-HCIs Storage-Only	VS2005-HCI VS2005-HCIs Storage-Only	VS1000-HCI VS1000-HCIs Storage-Only	VS2400-HCI VS2400-HCIc Compute-Only
Hyperconverged Software Platform	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
Form Factor	2U	2U	1U	2U
HDD Capacity (TB, per appliance)	12, 16, 24, 32, 48, 64, 96, 120, 128, 144,160, 168, 192, 224, 256, 288, 336, 384	32, 128, 192, 256	4, 16, 32, 64	-
SSD Capacity (TB)	-	-	-	1.92, 3.84, 15.3
SSD Caching	Yes	Yes	Yes	No
Max Appliances per vPG*	12	12	6	16
Max Storage per vPG	4.6 PB	3.0 PB	384 TB	244 TB
Virtualization	Server - VMware Foundation	Server - VMware Foundation	Server - VMware Foundation	Server - VMware ESXi Client - VMware Horizon
Optional GPU	Up to 2 x NVIDIA Tesla T4	-	-	Up to 5x NVIDIA T4 or Up to 3x NVIDIA RTX4000
Processor	Intel® Xeon® Scalable Processors 1x 6 Core or 1x, 2x 12 or 20 Core	AMD EPYC™ 1x 8, 16 or 32 Core	Intel Xeon Scalable Processors 1x 8 Core or 1x, 2x 12 Core	Intel Xeon Scalable Processors 2x 12, 20, or 24 Core
RAM (GB)	32, 48, 64, 96, or 192	32, 64, 128, 192, or 256	16, 32, 48, or 96	64, 96, 128, 160, 192, or 384
Network Connectivity	6x 10 GbE (SFP+ or RJ45) – V5-2000 4x 10 GbE (SFP+ or RJ45) – V5-2000s	6x 10/25 GbE (SFP28) – V5-2005 6x 10 GbE (RJ45) – V5-2005s	6x 10 GbE (SFP+ or RJ45) – V5-2000 4x 10 GbE (SFP+ or RJ45) – V5-2000s	6x 10 GbE (SFP+ or RJ45)

* A Virtual Performance Group (vPG) is a logical, scale-out construct that includes both virtualized servers and storage.

www.quantum.com
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