

Quantum.

VS-HCI EDGE SERIES

INTELLIGENT INFRASTRUCTURE FOR
PHYSICAL SECURITY AT THE EDGE



DATASHEET

SIMPLE

MANAGE REMOTELY
FROM CENTRAL
CONSOLE

FLEXIBLE

RUN MULTIPLE
APPLICATIONS
ON COMMON
INFRASTRUCTURE

HIGHLY AVAILABLE

BUILT-IN REDUNDANCY
AND AUTO-FAILOVER

Right-sized server and storage solution for video recording, video analytics, and other applications at remote locations requiring mission-critical resilience.

The Quantum VS-HCI Edge Series solution is for remote offices or distributed sites such as transit stations, drilling sites, mining operations, oil rigs, and critical infrastructure sites where space is a premium, flawless capture of video without dropped or degraded frames is a necessity, and 24x7 recording and access to video is a must. Quantum's VS1000 Edge Series hyperconverged infrastructure (HCI) is purpose-built for remote, edge locations with the resilience, compute and storage resources and simple local or remote management that these deployments require. As HCI, it combines server resources and storage in one appliance model, making it easier to deploy, manage and scale along with being a more efficient and flexible use of resources.

Simple Local or Remote Management

With its simple user interface and built-in intelligence and automation, Quantum VS-HCI Series does not require specialized IT skills to manage. Systems can be managed locally, or multiple systems can be managed from a central location with the Pivot3 Management Application.

Advanced Intelligence and Automation

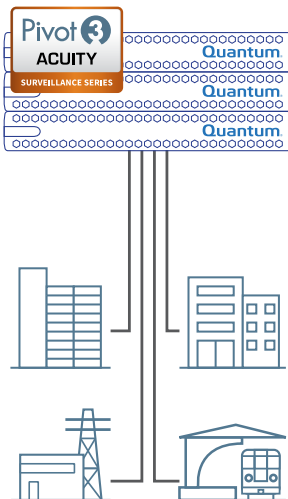
VS-HCI Edge Series is based on the Pivot3 Acuity hyperconverged software platform with its built-in Intelligence Engine. The Intelligence Engine automates numerous tasks including performance optimization, data protection, auto-healing, health monitoring and predictive fault detection, and performing system updates and upgrades. This gives you peace-of-mind that the systems at your remote sites are healthy and operating at their peak performance while also reducing on-going management costs.

Ensure 24x7 Operation and Data Access

Typical server and storage solutions use conventional RAID technology to prevent data loss in the event of one or two disk failures. Quantum's patented erasure coding technology protects critical video data against the failure of up to five simultaneous disks or the loss of an entire appliance plus two disks to ensure that security systems at your remote site are always operational and data is accessible.

Support Video Recording and More

To minimize hardware footprint and avoid having to deploy and manage multiple systems at your remote sites, the VS-HCI Edge Series is a powerful virtualized platform capable of running multiple workloads you require including video management systems, intrusion detection and video analytics. Additional compute and storage can be added, or just storage based on changing workload requirements.



LEARN MORE:

www.quantum.com/video-surveillance

Key Capabilities and Features

MANAGEMENT AND MONITORING

- Manage with standalone Pivot3 Management Application or from VMware vCenter with plugin.
- Remote management and monitoring of multiple VS-HCI Edge Series systems from a single Pivot3 Management Application.
- Intelligent real-time system health monitoring and analytics with phone home, automated alerting, daily health reporting, and dispatch.

FLEXIBILITY AND PERFORMANCE



- Shared storage pool (SAN).
- Video optimized data path with pooled cache and disk resources with parallel active/active storage controllers.
- Virtualization allows for multiple applications to be run on the system.
- Supports leading video management systems and video analytics applications.
- Add compute resources and storage capacity together or independently.

RESILIENCE AND AVAILABILITY

- Built-in high availability and resiliency, no single points of failure.
- Patented, advanced data protection technology (Pivot3 Erasure Coding).
- Sustain video ingest and video access in event of multiple drive or a complete node being off-line.
- Built-in automated application failover.
- Quick node rebuild and self-healing reduces time to repair.

QUANTUM VS-HCI EDGE SERIES APPLIANCE BASICS

(Specifications are per appliance. Multiple appliances are clustered together to form a system. A system can be made up of all HCI appliances or HCI appliance(s) and storage-only appliances)

	VS1000-HCI	VS1000-HCIs
		
Type	Hyperconverged Appliance	Storage-only Appliance
Form Factor	1U	1U
Storage Capacity (Raw per appliance)	4, 16, 32, 64 TB	4, 16, 32, 64 TB
Processor	1x 12 Core Intel® Xeon® Scalable Processor 4214R 2x 12 Core Intel® Xeon® Scalable Processor 4214R	1x 8 Core Intel® Xeon® Scalable Processor 3206R
RAM	32, 48, 96 GB	16 GB
Hyperconverged Software Platform	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
Virtualization	VMware ESXi	N/A
Maximum Domain Size	Unlimited	Unlimited
Maximum Appliances per System (vPG*)	6	6
Minimum Appliances per System (vPG*)	1	1
Security	Trusted Platform Module (TPM 2.0) Secure Boot capable	Trusted Platform Module (TPM 2.0) Secure Boot capable
Network Connectivity	4x 10 GbE (SFP+ or RJ45)	4x 10 GbE (SFP+ or RJ45)

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



Quantum technology, software, and services provide the solutions that today’s organizations need to make video and other unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum’s end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit www.quantum.com.

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