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New Quantum Reference Architecture Addresses Performance, Scale and Retention Requirements of Large-scale Surveillance Workloads

SAN JOSE, Calif., March 9, 2021 /PRNewswire/ --Quantum Corporation (NASDAQ: QMCO) today announced the release of a reference architecture for large-scale surveillance workloads. Building on Quantum's broad portfolio of surveillance and security solutions, the reference architecture combines a highly available front end with Quantum StorNext®, the world's fastest file system for video workloads[1], to address the growing need for high-performance, large-scale shared storage.

Video surveillance cameras are the biggest data generators in the world. As camera resolutions continue to increase, data volumes are growing exponentially. Today, surveillance data is used for much more than just security and loss prevention. New applications include analyzing traffic patterns to improve flow or using number plate recognition to speed up payments at toll booths and drive-throughs. Data retention requirements are expanding to allow time for additional analysis. Managing the complexity and scale of large surveillance workloads requires a shared storage solution with sufficiently high performance to ensure that cameras are always recording and frames are not dropped.

Quantum has designed a shared storage solution that specifically addresses the performance, scale and retention requirements of large surveillance workloads. The solution combines enhanced hyperconverged infrastructure (HCI) software for Quantum's VS1110-A application servers and a unique configuration of StorNext shared file storage optimized for video surveillance. Quantum has designed and validated a modular, scalable reference architecture that supports from 500 to 2,000 cameras and 30 days to one year of retention.

"Video surveillance is increasingly being used to make our cities smarter and modernize business operations through analytics. However, at a certain level of scale, IT-based shared storage solutions simply can't keep up with today's surveillance workloads," said Jamie Lerner, President and CEO at Quantum. "As the world's fastest file system for video workloads, Quantum StorNext is uniquely suited to large-scale surveillance use cases. The resiliency gained through high-performance shared storage with an HCI front end will give customers peace of mind that they won't drop a single frame."

The new reference architecture is part of Quantum's continuing investment and innovation for the surveillance and security market. Other recent developments include the ability to securely monitor Quantum NVR systems remotely using Quantum's Cloud-Based Analytics software.

Quantum has also recently appointed two surveillance industry veterans to spearhead business development in the Middle East, India and Asia Pacific. Anand Chakravarthi has joined as Sales Director – Middle East and India. He brings more than 25 years of technology leadership experience, most recently as Area Vice President – Middle East, Africa, India and Asia Pacific at Pivot3. In addition, Anthony Koo has been appointed Business Development Manager – APAC, bringing over a decade of experience in the physical security industry at companies including Pivot3, Ricoh, and Siemens.

Additional Resources

- For more about the reference architectures:
  https://www.quantum.com/en/solutions/surveillance-and-security/shared-storage/
- For more about StorNext: https://www.quantum.com/stornext/
- For more about Quantum surveillance and security solutions:
  https://www.quantum.com/en/solutions/surveillance-and-security/

About Quantum

Quantum technology and services help customers capture, create and share digital content – and preserve and protect it for decades. With solutions built for every stage of the data lifecycle, Quantum's platforms provide the fastest performance for high-resolution video, images, and industrial IoT. That's why the world's leading entertainment companies, sports franchises, researchers, government agencies, enterprises, and cloud providers are making the world happier, safer, and smarter on Quantum. Quantum is listed on Nasdaq (QMCO) and was added to the Russell 2000® Index in 2020. For more information visit www.quantum.com.

Forward-Looking Statements
This press release contains "forward-looking" statements. Quantum advises caution in reliance on forward-looking statements. If the risks or uncertainties ever materialize or the assumptions prove incorrect, the results of Quantum Corporation and its consolidated subsidiaries ("Quantum") may differ materially from those expressed or implied by such forward-looking statements and assumptions. All statements other than statements of

historical fact are statements that could be deemed forward-looking statements, including statements regarding the resiliency of the reference architecture giving customers peace of mind due to not a single video frame being dropped. Risks, uncertainties and assumptions include the impact of Covid-19 on our business and other risks that are described in the "Risk Factors" in Quantum's filings with the Securities and Exchange Commission, including its Form 10-K filed with the Securities and Exchange Committee on June 24, 2020. Quantum expressly disclaims any obligation to update or alter its forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law.

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[1] According to SPEC SFS 2014 benchmark testing:
https://www.spec.org/sfs2014/results/sfs2014vda.html

Ⅽ View original content to download multimedia:http://www.prnewswire.com/news-releases/new-quantum-reference-architecture-addresses-performance-scale-and-retention-requirements-of-large-scale-surveillance-workloads-301243154.html

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