



Video Storage is Embracing the Cloud

Challenge Summary

- As camera technology improves and demand for video surveillance data grows, customers need reliable data management solutions regardless of the size of their surveillance network.
- System Integrators need to be able to link cameras and camera data to their own website, apps or service.
- Customers need to be able to see their video from anywhere at any time.
- The adoption for video analytics and deep learning to drive business decisions is increasing in all sectors.

Today's Surveillance solution providers recognize the benefits of Cloud storage where video cameras store data directly to the cloud through an S3 interface. Utilizing the Cloud for backup and long term retention, customers can decrease operational burdens associated with maintaining physical storage and can bypass IT staffing, maintenance and upgrades costs.

While considering a Cloud provider, storage systems must support enterprise level security, industry standard format and guaranteed retrieval of critical video data to further enable analytics to drive business value.

Lyve Cloud supports the complete storage needs for Video Surveillance as a Service (VSaaS) providers, integrates seamlessly with video management systems (VMS) for a simple, trusted and effective data management solution.

Solution Approach

Customers are looking for cost effective storage options as demand for surveillance video data continues to change and grow. Customers are concerned with data durability- guaranteed video retrieval when needed and security – knowing their data remains their data. They also require consistent performance and flexibility to scale as-needed. Achieving these results could necessitate a system so complex that it requires a highly trained team to install, operate, maintain and upgrade.

VSaaS to Embrace Hosted VsaaS and Cloud

Cloud storage has proven to be a cost effective addition to service providers. Offering a Hosted VSaaS model enables the agility for customers to address business needs as they grow and change.

Streamlined Single Video Surveillance Solution

Existing infrastructure can easily be connected to Lyve Cloud through VMS. Whether it's IP cameras, analog cameras, NVRs, and DVRs, all devices will be able to connect into a single surveillance solution.

Benefits Summary

- Interfacing – store video in the cloud allows for easy connection to other cloud services such as artificial intelligence, point of sale systems, broadcasting or evidence management.
- S3 compatible Object Storage as a Service seamlessly integrates with cameras, VMS and other S3 compatible software.
- Simple and predictable pricing – One price based on capacity of videos. No extra fees to read or write.
- Easily move large volumes without paying additional fees (egress costs)
- On demand access – retrieve live and recorded video from anywhere using standard HTML5 technology.
- Flexibility – manage camera retention times for varying video data.
- Critical Video Data Protection - Safeguard your critical data and manage evidential data with secure, end-to-end user access control and ransom ware protection.
- Scalability - store data from a few to few thousands of cameras, and retain the data efficiently for as long as you need

The Seagate and VXG Solution

Video Surveillance systems integrators require storage solutions that are manageable, cost effective, and support recording video from thousands of cameras. Connect any types and numbers of camera and manage storage, retrieval, and analysis of images and video files must be easily available for processing and decision making.

Tiered Storage for Cost Effectiveness

Manage data storage based on demand and priority. Store long-term and archival data in Lyve Cloud at lower cost, and transfer data to other platforms when needed for analytic purposes. Lyve Cloud's flexible, monthly pay-for-use model enables customers to select the best solution for their business. With no egress fee, customers don't need to concern about additional cost for retrieving and moving large volume of data from the platform.

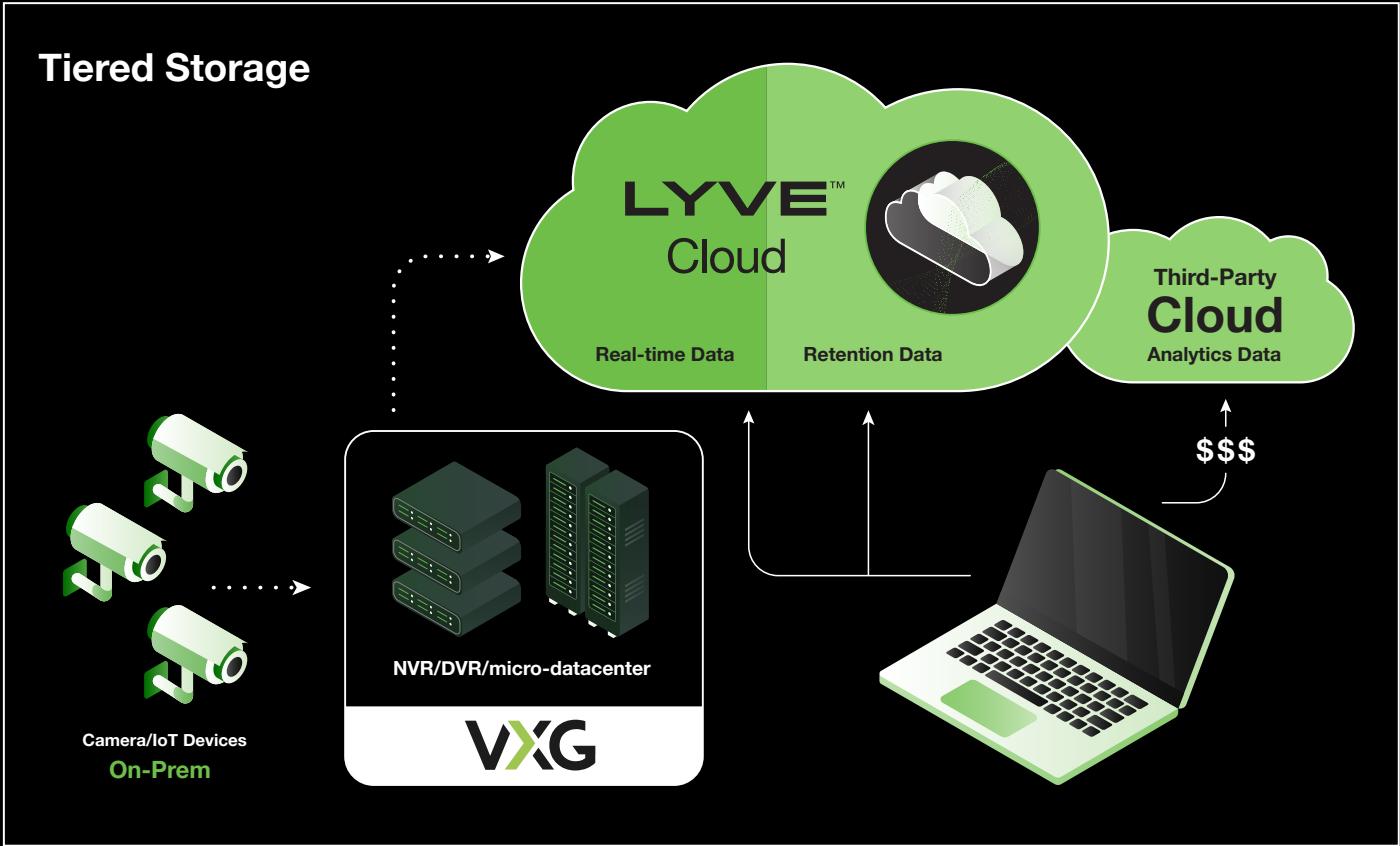
Single Solution that seamless integrate with existing infrastructure

Lyve Cloud's Edge-to-Cloud S3 compatible data pipeline empowers seamless interconnectivity and interoperability for every stage of data flow. With VXG's plug-in integration with major IP cameras and Cloud NVRs, customers can choose to send video surveillance data collected on-site over S3 to Lyve Cloud after a specified duration of time.

VSaaS providers can easily establish an entire cloud-based solution and integrate with any existing infrastructure by utilizing VXG's white label approach: video footage can be stored directly to and accessed from Lyve Cloud; data processing and camera deployment are administered directly from VXG interface. Customers such as small retail with modest deployments and limited IT staffing can take advantage of this simple deployment model.



Whether deploying a tiered storage or hosted VSaaS solution through LyveCloud and VXG, customers can safely guard their data through its world-class security. In addition, data center proximity and high speed bandwidth allow for scalable and consistent performance, and S3 compatibility provides a quick and easy transfer of important data.



In Conclusion

Today's video surveillance systems are designed to scale for increased camera count, higher retention requirements, and evolving camera and surveillance technologies. Lyve Cloud provides storage designed specifically for the demands of video surveillance with capabilities to retain and manage high-resolution video, provide high-throughput, and elastic scalability.

Lyve Cloud is simple, trusted and efficient - the proven cloud backup system tested and optimized to work flawlessly with video surveillance.

Benefits Summary

- Full S3 compatibility
- Flat predictable pricing
- No cloud lock in or egress fees
- Open standard API
- Available in multiple regions
- Retrieve video and image data when you need it without wait and very high certainty (11 9s data durability 99.999999999%)
- Fast data ingest
- Ransomware protection

Ready to Learn More?

Visit us at www.seagate.com/services/cloud/storage and talk to an expert.

seagate.com

© 2020 Seagate Technology LLC. All rights reserved. Seagate, Seagate Technology, and the Spiral logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. AcousticShield, Exos, the Exos logo, Nytro, and the Nytro logo are either trademarks or registered trademarks of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. When referring to drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Actual data rates may vary depending on operating environment and other factors, such as chosen interface and drive capacity. The export or re-export of Seagate hardware or software is regulated by the U.S. Department of Commerce, Bureau of Industry and Security (for more information, visit www.bis.doc.gov), and may be controlled for export, import, and use in other countries. Seagate reserves the right to change, without notice, product offerings or specifications. SC728.1-2005US May 2020

