

StorTrends Solutions for Video Surveillance

Video surveillance is taking an integral role in the operations of local, state, and federal agencies, as well as millions of other security-conscious organizations. The move from standard definition to high definition as well as the enhancements of IP-cameras has resulted in more effective video archival, capture and playback methods. Resolution, frames-per-second (FPS), number of cameras and the number of playback streams are all factors when designing a video surveillance solution. However, the importance of backend storage is often overlooked to meet these factors.

StorTrends has addressed the growing need for video surveillance storage by developing high-performance units with seamless expansion capabilities. This allows users to experience reliable capture of video storage, as well as zero downtime while increasing overall capacity as needed. StorTrends provides data storage solutions for video surveillance projects that are ideal for users looking to reliably and accurately secure their video data at an affordable price-point.

Performance and Expansion

StorTrends offers solutions that combine the high-performance qualities of SSDs with the storage density merits of traditional HDDs. These distinctive disk technologies complement each other by functioning in tandem to emphasize the potential of both disk platforms. In addition to versatile disk configurations, StorTrends also offers enterprise-class features that are critical to successful video surveillance solutions including live scalability, 10GbE connectivity, Auto Data Tiering and a simple user management interface.

StorTrends units can easily expand and provide the ability to start with a smaller amount of video storage and then adding additional storage shelves as you increase the amount of video storage stored or as additional cameras are implemented. This data can be easily managed through the StorTrends GUI, which offers a 'single pane of glass' interface for simple and accurate management. As video data demands continue to rise due to increasing resolution and FPS, networks have been burdened to accommodate for the increased throughput.

To address this increasing data transfer, StorTrends offers 10GbE connectivity to allow for a fast and secure transfer of continuous video streams. With StorTrends' Auto Tiering feature, the recorded video can be automatically tiered in order to employ higher-performing disks for frequently accessed and streamed video, while utilizing higher-density drives for video archival. Users are also able to construct various RAID configurations for individual tiers in order to match the performance and redundancy requirements for their specific environment.



Key Benefits:

- Save capex by scaling deep with JBOD shelves for additional capacity
- Network teaming for improved throughput
- SSD caching for superior video playback performance

"The StorTrends arrays are working as expected. We see good I/O performance across the board and are highly impressed with the usability of the StorTrends ManageTrends software GUI. And with JBODs, we feel like we'll be able to meet the challenges of future data growth with little disruption to our business."

- Tony Taglieri, IT Director, Cambridge Biomarketing

Conclusion

StorTrends solutions – spanning a wide range of capacity options, performance capabilities, and all-inclusive enterprise-class features – offer all components necessary for a reliable, efficient, and secure video surveillance project. As security issues continue to grow worldwide, the need for an effective storage solution is also becoming an increasingly more vital role in the foundation of a successful video surveillance infrastructure.

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