Purpose-Built Solutions for Media and Entertainment Workflows

Seagate and pixitmedia pixstor—delivering high performance, scalable, and seamless storage solutions with best-in-class TCO.

Solution Summary

pixstor software-defined storage combined with Seagate® Exos® storage systems create high-performance, scalable, and flexible data-storage solutions. Built to meet rigorous media workflow demands, they offer best-in-class total cost of ownership (TCO).

Benefits Summary

- Best-in-class TCO
- Guaranteed performance
- Unlimited scalability
- Advanced security
- Enables remote workflows

Demanding media and entertainment workflows require high-performance storage to manage today's toughest challenges—while offering the flexibility to grow and adapt when you need to. pixitmedia® pixstor™ software-defined storage solutions together with Seagate's industry-leading enterprise solutions provide you with the freedom to innovate and empower users to collaborate while keeping assets secure and cloud deployments cost-effective.

Together, Seagate and pixitmedia provide purpose-built, software-defined storage and data-management solutions for the media and entertainment industries. This combined solution helps clients overcome data-driven challenges and escape the limitations of today's technology—reducing cost and complexity.

The Challenge

Creating blockbuster films, sports coverage, and award-winning TV and video content involves managing, sharing, and protecting massive volumes of data—moving it efficiently from one system to another, between artists, teams, and locations—quickly, securely, and cost-effectively.

This demanding workflow requires a high-performance, high-capacity, secure storage solution that can empower users to collaborate, simplify infrastructure, and offer a range of reliable products with proven design.

The Solution

pixitmedia's pixstor software is a complete software-defined shared storage solution that is purpose-built for media and entertainment workflows, including animation and special effects, broadcast television, studio production, and post-production—serious demands that require a streamlined data storage approach.

When combined with Seagate's Exos X 2U24 all-flash array for primary storage and Exos X 2U12 and Exos X 5U84 disk storage arrays for secondary storage—each with Seagate Advanced Distributed Autonomic Protection Technology (ADAPT) data protection—you get a high-performance, scalable, and flexible storage solution with best-in-class TCO.

Seagate Exos storage systems provide an excellent combination of performance, capacity, modular configuration, and expandability making them the perfect storage solution for pixstor installations.

Exos X all-flash arrays deliver uncompromising performance at industry-leading price points. They are the perfect Tier 1 storage for demanding workflows—like color grading and VFX. Exos X high-density disk arrays deliver up to 1.5 petabyte (PB) of raw disk space in just five rack units, ideal for Tier 2 storage for production footage, graphics, audio, and other assets.

pixstor is a complete software-defined shared storage solution that is purpose-built for demanding media requirements. Its unique scatter algorithms for file placement deliver guaranteed performance from disk to desktop, regardless of the percentage of file system used. pixitmedia's data-aware, scale-out NAS platform ensures your data is always available, precisely when and where you need it without compromise.

Powered by a proven, high-performance parallel file system and trusted by thousands of businesses globally, pixstor can easily manage petabytes of data and billions of files while providing a seamless user experience. It empowers media organizations to collaborate globally and to search, manage, and protect their data on-premise or in the cloud.

Combined with pixstor, Seagate systems create a flexible, high-performance platform for media creation and post-production workflows to support diverse performance and capacity needs. Since pixstor is a software-defined architecture with a multi-tiered, single namespace, Seagate Exos X high-density, high-performance storage platforms are the perfect complement for creating a single file system with Tier 1 and Tier 2 performance.

In addition to core file system performance, pixstor offers a robust search interface, audit-compliant security, and data analytics. Add in the pixitmedia ngenea® data management layer to manage, migrate, and replicate data through multiple tiers of on-premise object storage and off-premise cloud, or remote-site storage—all in a single namespace integrated with pixstor search—to find and recall assets seamlessly across all storage tiers.

Features & Benefits

- Best-in-class TCO
- Built for media and entertainment workflows
- Guaranteed performance
- Unlimited scalability
- Simple management

- Single global namespace
- Advanced security
- Remote workflow enablement
- Cross-platform support
- Simple cloud deployment

Seagate and pixitmedia have partnered to enable media and entertainment customers to quickly build and operate their own private storage cloud.

Seagate delivers a reliable storage platform allowing up to 1.7PB in 5U, which increases rack density and lowers the data-center footprint. At the same time, it increases performance required by machine learning, cloud-native container applications, and advanced telecom native applications.

Together, Seagate and pixitmedia provide the industry-leading solution to run your private cloud-storage infrastructure, powering your most demanding applications running in the cloud and at the edge.

Seagate Storage Systems

Seagate Exos X 5U84 is the datasphere's ultra-dense, intelligent solution for maximum capacity and performance at an exceptionally low TCO.

Seagate Exos X 2U12 delivers advanced data protection, capacity, and performance at an entry-level cost.

Seagate Exos X 2U24 is the datasphere's affordable all-flash array (AFA) system for critical workloads that demand the highest performance.

Ready to Learn More?

For more information on Seagate and pixitmedia software-defined storage solutions, visit
www.seagate.com/solutions/partners/pixitmedia

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