



Vexata Solutions for Next Gen Media Workflows

Solution Brief

8K, 4K Real-Time Uncompressed Video Playback

With the emergence of Ultra High Definition (UHD) 8K video, production houses are looking at requirements to deliver real-time post-production of these uncompressed video formats. Current video storage technology severely restricts the ability to produce, edit and finish these concurrent pipeline workflows, resulting in costly production delays.

Vexata has delivered a solution that seamlessly supports these very demanding video production workloads to accelerate production schedules and streamline processes. Vexata delivers the performance to support multiple 4K and 8K streams as well as the ability to support real-time Virtual Reality (VR), Augmented Reality (AR) workflows.

Refer to the [Vexata File Solution](#) brief for technical details.

Key Benefits

Accelerate Next Gen 8K Media Workflows

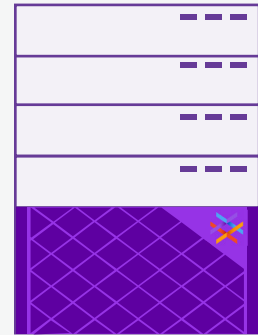
- 1M+ Random File IOPS
- Sub-millisecond response
- 50GB/s Read, 25GB/s Write bandwidth for content creation
- Support for Mac, Windows and Linux Clients

Optimize Rendering Farms

- 2-4X higher render farm license utilization
- Concurrent work-streams

Media Workflow Lifecycle Management

- N+2 data protection
- Geo-replication
- Data-at-rest encryption



VX-100FS File Storage System

Customer Case Study

Customer Challenges

- World's leading production studio, needed to accelerate their next gen 8K, VR, AR Workflows
- Multiple 6GB/s bandwidth 8K uncompressed streams for concurrently editing, compositing, transcoding
- Existing render farms and filers falling short to accelerate visual effects (vFX), animation for advanced VR, AR workflows

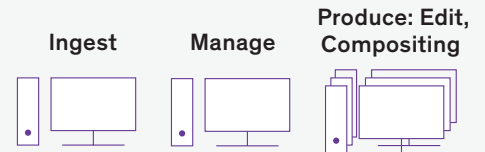
Vexata File Solution

- Successfully ingested and played back all of their next generation content
- Supported 8*8K concurrent workstation streams for content creation

- Supported advanced visual effects and animation, leveraging existing render farms, without incurring additional licensing cost

Customer Benefits

- Competitive advantage for supporting next gen 8K, VR and AR workflows
- Better TCO, due to higher storage bandwidth, support for multiple streams
- Better utilization of render farms and tiering.
- Faster time to market due to workflow acceleration and global collaboration



8K Applications



- DaVinci Fusion 9
- DaVinci Resolve 14
- Adobe Premiere Pro
- Assimilate Scratch 8.6



Process: Render Farms



Deliver

ABOUT VEXATA:

Vexata is the leader in active data management solutions. Vexata's unique breakthrough enterprise offerings enable transformative performance and scale from database and analytics applications. With unparalleled ability to consume the latest in media like NVMe Flash and now 3D XPoint™* SSDs, Vexata systems deploy simply and seamlessly into existing storage environments. Learn more at www.vexata.com

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