SOLUTION BENEFITS

- Support for the latest formats like 4K, 8K, UHD, HDR, IMF

- Connectivity options include 1/10/40/100GigE, 16/32GB/s Fibre Channel, EDR/FDR InfiniBand, Omni-Connect

- Accelerate post-production workflows like ingest, editing, color correction, transcoding

- Easy to manage solutions with real-time access to digital content for broadcasters

- Seamless cloud scalability for content delivery networks

- Cost-effective active archiving

- Delivers hundreds of gigabytes per second performance and hundreds of thousands of IOPS

- Effortlessly scales from 80TB to hundreds of petabytes of capacity

- Scales to hundreds of concurrent media streams, up to 40 4K uncompressed streams

- Up to 42GB/s accelerated performance in a single building block with advanced controller caching, software defined SSDs and all SSD options

- Simplify management by consolidating all media workflows onto a single platform

- Mix SSDs, SATA and SAS in the same single platform, even in the same enclosure

- Data Protection with RAID 1/5/6, policy-driven snapshots—up to 256 snapshots per volume, high-speed defragmentation

BIG DATA IN MEDIA AND ENTERTAINMENT

Media workflows in broadcast, post-production and content delivery are demanding—and getting more so all the time. Changing formats, camera resolutions and evolving techniques can make your infrastructure obsolete in short order. DDN delivers unmatched performance with proven media solutions, ensuring that media companies can meet their challenges both today and in the future.

MEDIA WORKFLOWS: END-TO-END

DDN is the leading storage solutions provider for the world's most content-intensive environments. That's because DDN storage technology accelerates highly concurrent workflows for hundreds of broadcasters, post-production facilities and content delivery networks–more than 600 of the largest media organizations worldwide. DDN's unique, real-time performance engine provides guaranteed quality of service for flawless ingest, transcoding, editing, color correction, and playout, on the most concurrent 4K, 8K, UHD, HDR, and IMF streams—up to 40 concurrent, uncompressed 4K streams on a single system. Unlike other media storage solutions, DDN will ensure that you never drop a frame, even in outage conditions at the drive or the enclosure level. With integrated active archive capabilities and automated data migration among tiers and even to the Cloud, DDN MEDIAScaler™ ensures high-performance archiving at a low cost.

That's how DDN media solutions keep you ahead of the curve with the latest formats and meet all your scale, capacity, and bandwidth requirements, end-to-end. MEDIAScaler achieves up to 6GB/s of performance on a single stream, and scales linearly with parallel workload clients. DDN technology accelerates every aspect of the media lifecycle on a single, simple-to-manage-platform. MEDIAScaler delivers the tools that media leaders need to manage all the data associated media workflows without losing performance.

DDN TECHNICAL ADVANTAGES

DDN technology offers a variety of benefits:

- Scales effortlessly to hundreds of gigabytes per second of performance and petabytes of capacity
- Simplifies management by consolidating all media workflows onto a single platform
- Mixes SSDs, SATA and SAS in the same single platform and even in the same enclosure

Minimize TCO with scale-up and scale-out options locally with the industry's highest density storage, and achieve peace of mind that your data is protected by a simplified and automated tape backup, disaster recovery, synchronous and asynchronous replication, and erasure coding.

FEATURED CUSTOMERS

DDN MEDIAScaler™ — HIGH PERFORMANCE CONVERGED MEDIA STORAGE PLATFORM
CLUSTERED NAS · End2End DATA MANAGEMENT

- CIFS/NFS/PARALLEL MEDIA CLIENT
- SSD CACHE
- TIERED STORAGE - SSD, HDD, CLOUD, TAPE
- ACTIVE ARCHIVE
- CLOUD - HYBRID & PRIVATE
- LTFS TAPE

2x More Density **8x** More Speed **20x** More Scalable

THAN THE CLOSEST COMPETITOR

TURNKEY SOLUTION
Animate, Render, Edit, Transcode, Collaborate, Active Archive

PERFORMANCE NODE

PROTOCOLS	NFS v3, SMB; Linux and Windows parallel workload clients
PERFORMANCE	Delivers 100s of GB/s performance and 100,000s of IOPS using a building block approach; single building block delivers up to 42GB/s accelerated performance with advanced controller caching, software defined SSDs and all-SSD options
STREAMS	Scales to 100s of concurrent media streams using a building-block approach; single building block delivers more than 40 4K uncompressed streams
SCALABILITY	From 80TB to 100s of PB using a building block-approach
DATA PROTECTION	RAID 1/5/6; up to 256 Snapshots per volume – policy driven; snapshot rollback; DirectProtect and DirectProtect+; online and automatic storage rebalancing; high-speed defragmentation
CONNECTIVITY OPTIONS	1/10/40/100GigE Ethernet, 16/32GB/s Fibre Channel, EDR/FDR InfiniBand, Omni-Connect
DRIVES SUPPORTED	SSD, Performance SAS and Nearline SAS

ACTIVE ARCHIVE AND CLOUD

CLOUD ACCESS GATEWAY OPTIONS	S3, SWIFT, NFS/SMB, parallel workload clients
MIN/MAX OBJECT SIZE	512B / 5TB
DATA PROTECTION & DISTRIBUTION OPTIONS	Replication (Sync, Async) – up to 4 copies, erasure coding with replication, Global Object Assure
FULL LIFECYCLE ARCHIVE CAPABILITY	Support of simplified digital tape storage with Linear Tape File System (LTFS)
NAMESPACE GROWTH	Simple, non-disruptive scaling, auto-balance, online upgrades

LTFS TAPE

PERFORMANCE SERVICE LEVEL AGREEMENTS (SLA'S)	Online, Nearline, Archive
MAXIMUM CAPACITY	Virtually unlimited
FULL LIFECYCLE ARCHIVE CAPABILITY	LTFS support for offsite copy and deep archive
DATA PROTECTION	Hash code per file, tamper checking, multi-copy

ABOUT DDN®

DataDirect Networks (DDN) is the world's leading big data storage supplier to data-intensive, global organizations. For more than 15 years, DDN has designed, developed, deployed and optimized systems, software and solutions that enable enterprises, service providers, universities, and government agencies to generate more value and to accelerate time to insight from their data and information, on premise and in the cloud. Organizations leverage the power of DDN technology and the deep technical expertise of its team to capture, store, process, analyze, collaborate and distribute data, information and content at the largest scale in the most efficient, reliable and cost-effective manner. DDN customers include many of the world's leading financial services firms and banks, healthcare and life science organizations, manufacturing and energy companies, government and research facilities, and web and cloud service providers. For more information, visit our website www.ddn.com or call 1-800-837-2298.