



VTrak A-Class Shared Storage Appliance



New All-in-one metadata appliance, RAID storage subsystem, and file system

All in one

- “Pay as you grow” from 32TB to over 9PB for long-term storage investment protection.
- One hardware platform. “Scale up” by adding 9 JBODs. VTrakFS™ lets you “scale out” by adding additional VTrak x30 storage nodes (one node = 1 VTrak x30 RAID head + 9 VTrak x30 JBODs) – increasing both capacity and performance via auto-load balancing and providing a single global namespace as capacities continue to grow.
- One management GUI. VTrak A-Class with NAS Gateway allows for easier management of all the components of the hardware platform and the VTrakFS™ file system.
- Single firmware to update.
- Single cost-effective price.
- Single place of support.

Benefits

- ▶ **FAST**
Optimized for high performance, high bandwidth rich media applications and unstructured data requiring large block random or sequential throughput.
- ▶ **SIMPLE**
“All-in-one” metadata appliance, RAID storage subsystem, and file system (VTrakFS™).
- ▶ **SCALABLE**
“Pay as you grow” from 32TB to over 9PB for long-term storage investment protection.
- ▶ **RELIABLE**
Features the same hardware, software, and firmware platform as the Apple-qualified VTrak x30 Series subsystem, with high-availability dual controllers, hot-swappable modular design, and included 3-Year onsite parts replacement warranty.
- ▶ **COST-EFFICIENT**
30-40% rack space and energy savings compared to non-integrated, multi-vendor solutions.



Qualified for use with:
OS X, Final Cut Pro X,
Adobe Premiere Pro, After Effects,
Autodesk Smoke,
Avid Media Composer

VTrak A-Class Appliance

- All-in-one metadata appliance, RAID storage subsystem, and file system for Big Data.
- Optimized for high performance, high bandwidth rich media applications requiring large block sequential IOPs.
- Supports 2-4x more uncompressed HD streams than competing solutions without dropped frames.
- VTrak A-Class enables a single management GUI for the SAN environment.

VTrakFS™ File System

- VTrakFS™ allows for VTrak A-Class to scale out — multiple nodes of VTrak E5000 storage subsystems can run concurrently for increased aggregate IO performance.
- Multiple NAS Gateways can also scale, providing higher levels of performance compared to a single metadata controller server.*

“Storage is no longer the Achilles heel of post-production work, as the A-Class delivers highly tuned performance and bandwidth for 4K ingesting, editing, and distribution.”

- Kamil Dobrowolski,
SVA Professor and FCP Systems Administrator,
School of Visual Arts, NYC



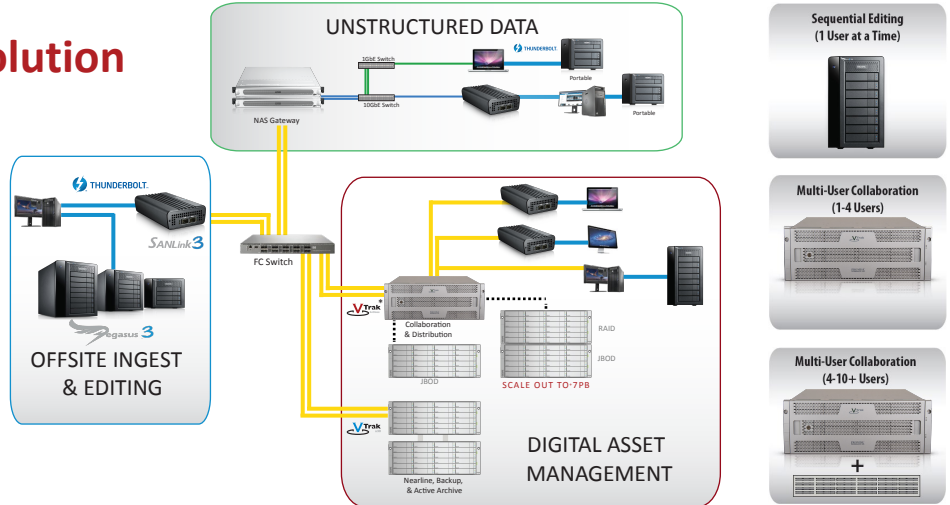
NAS GATEWAY



- For access to files on the VTrak A-Class via ethernet, the NAS Gateway G1100 is a 1U file server appliance that acts as an access point for file-based storage via 1/10GbE front end, with 8Gb FC backend connectivity to VTrak A-Class SAN.
- The VTrak shared SAN appliance and NAS Gateway creates a unified storage solution, with redundancy and single VTrakFS management software.

*First Customer Shipment will only support dual nodes per cluster to a maximum of 2 clusters. The following Service Release will offer up to eight nodes per cluster to a maximum of 8 clusters.

End to End Rich Media Solution



SYSTEM FEATURES		
<p>VTrak A-Class A5800 4U/24 Bay A5600 3U/16 Bay</p>	Capacity	32TB to 9PB raw Non-disruptive expansion using: VTrak x30 Fibre Channel RAID Storage Systems VTrak x30 Expansion Chassis
	VTrakFS™ File System	VTrakFS™ – Integrated clustered file system Supports up to 8 simultaneous file systems per system Serve up to 1 billion files Directory Support: LDAP, Active Directory, Open Directory Advanced online defragmentation tool (Advanced Anti-Fragmentation Algorithm) Supports ACLs (Access Control List) and User Quota
	Availability	Redundant Controllers Hot-Swappable Power Supply Units Hot-Swappable Controllers Non-Disruptive Firmware/Software Updates Hot-Swappable Disk Drives
	Interface	Quad 16G Fibre Channel ports per controller (total of 8 ports for high-availability systems)
	RAID Support	RAID 0, 1, 5, 6, 10, 50, 60
	Power Efficiency	Four levels of advanced power management disk drive (MAID) support Efficient 80Plus Certified power supplies
	Management Interface	Single VTrak A-Class SAN management software Embedded management using VTrak A-Class SAN management software (via Ethernet) Advanced Command Line Interface (Serial Port or Ethernet via telnet and SSH) Third Party Management support via SNMP, CIM
	Client Licenses	10 Universal or 30 Mac Only included. Supports hundreds of clients.
OS Support	OS X, Windows, Linux	
<p>NAS Gateway G1100</p>	Availability	NAS Gateway cluster with 2 active nodes per cluster to a max of 2 clusters for high availability and IO load balancing
	Interface	Two ports x 10GbE, four ports x 1GbE Ethernet ports Two ports x 16Gb FC backend ports
	Network Protocols	NFS, SMB/CIFS
	Client Licenses	1/10G Ethernet Cluster NAS Gateway Appliance supporting NFS and CIFS with unlimited client support
	Management Interface	Configured, managed, and monitored with VTrak A-Class SAN management software
<p>WARRANTY & SUPPORT</p>	OS Support	OS X 10.7 or higher Windows 7, 8, 2008, 2012* Linux OS with Kernel 2.6.14 or higher*
	Warranty	Three year complete system limited warranty (Two-year extended warranty optional) Next-Business-Day PROMISE Service PLUS - onsite replacement included in every VTrak purchase** Optional 4-hour PSP upgrade
	Support	24 x 7 web and phone support Support website - drivers, firmware, knowledge base, and downloadable compatibility reports Online product registration and seamless license activation

*Please refer to compatibility list at www.promise.com
**Where available

