

# PROMISE VTrak A-Class

High-performance Shared Storage Appliance



## VTrak A-Class Advantages

- Fully integrated shared storage appliance requiring no extra server hardware
- High-performance workflows enable faster project completion, thus providing time for more projects and higher revenues
- Lower storage infrastructure costs lower CAPEX expenditures
- Easy deployment means your workflow is up and going in a fraction of the time of traditional storage solutions
- Single unified management equals less time spent worrying and managing the storage system, saving anxiety and money
- On-Demand independent performance and capacity expansion
- Embedded I/O performance and power usage monitoring

For companies dealing with high-performance digital video requirements that want a simple and inexpensive way to maximize the efficiency of their storage infrastructure, PROMISE VTrak A-Class Shared Storage Appliances are the fastest and easiest to deploy as well as the most cost effective solution in the industry. Unlike expensive solutions that require complex multi-vendor interoperability and support, the VTrak A-Class provides a single-vendor solution that is as easy to setup and configure as it is on the pocketbook.

PROMISE Technology has been a trusted supplier to the Media & Entertainment marketplace for nearly 20 years. Trusted by thousands of companies to store their most precious digital assets, PROMISE VTrak A-Class Appliances continue the PROMISE legacy of delivering the storage solutions that users and applications require and a price nearly anyone can afford.

Whether you need added capacity or increased high-speed access to the data, VTrak A-Class provides the flexibility you need. The system seamlessly supports petabytes of data in a single namespace. SAN performance is delivered via Fibre Channel connectivity with the optional ability to expand to NAS access via NFS and CIFS. VTrak A-Class interoperates seamlessly no matter what set of applications share the storage pool and is supported by all major operating systems including Mac OS X, Linux and Windows.

One VTrak A-Class system will allow complete file sharing across all aspects of your workflow without the need for multiple storage systems. A single VTrak A-Class will support simultaneous shared reads and writes for online editing, color grading, graphics work, offline editing, transcoding and more. Don't bother with the expense and cumbersome management of separate storage systems when a single scalable VTrak A-Class system will do the trick.

PROMISE VTrak A-Class delivers high-performance file sharing for nearly all aspects of Media and Entertainment, including video, film and broadcast, at a fraction of the cost of its competitors. The appliances combine to create a flexible multi-application ecosystem able to share files across the SAN or LAN from Mac OS X, Linux or Windows applications. A-Class meets the demands of real-time multi-stream environments for HD, 2K, 4K, and 3D workflows by delivering high-bandwidth, low-latency performance from a single folder or mount point.

The controller and management software is delivered in a single platform. When combined with VTrak x30 storage arrays, the shared file environment can scale up to petabytes of usable storage and billions of files. VTrak A-Class is the industry's simplest to deploy, configure and maintain due to the new embedded unified management software which combines simple to understand dashboards, reporting, monitoring and administration for the entire VTrak A-Class and VTrak Client ecosystem.

### VTrak A3800fSL

Single Controller

4 Universal Clients

24x 4TB 7,200-RPM SAS Drives

### VTrak A3800fDM

Dual Controller

10 Universal Clients

24x 4TB 7,200-RPM SAS Drives

#### VTrak A3000 Series

<b>System architecture</b>	<ul style="list-style-type: none"> <li>Integrated VTrakFS clustered filesystem</li> <li>Support up to 8 simultaneous filesystems per system</li> <li>Serve up to 1 Billion files</li> </ul>
<b>Capacity support</b>	Scale seamlessly up to petabytes in a single filesystem
<b>Expansion capability</b>	Flexible, non-disruptive expansion options for A-Class using VTrak x30 Expansion Chassis or VTrak x30 Fibre Channel RAID Storage Systems
<b>High availability</b>	<ul style="list-style-type: none"> <li>Redundant Controllers</li> <li>Hot-swappable controllers</li> <li>Hot-swappable disk drives</li> <li>Hot-swappable power supply units</li> <li>Non-disruptive firmware and software updates</li> </ul>
<b>Network interface</b>	Quad 8G Fibre Channel ports per controller (8 total ports for high availability systems)
<b>RAID support</b>	<ul style="list-style-type: none"> <li>RAID 0, 1, 5, 6, 10, 50, 60</li> </ul>
<b>Directory Services</b>	<ul style="list-style-type: none"> <li>LDAP</li> <li>Active Directory</li> <li>Open Directory</li> </ul>
<b>NAS Support</b>	NAS 1/10G Ethernet Cluster gateway appliance supporting NFS, and CIFS with unlimited client support ( <i>optional</i> )*
<b>GreenRAID Features</b>	<ul style="list-style-type: none"> <li>Four levels of advanced power management disk drive (MAID) support</li> <li>Efficient 80Plus Certified power supplies</li> </ul>
<b>Defragmentation</b>	<ul style="list-style-type: none"> <li>Advanced online defragmentation tools</li> </ul>
<b>Management Interfaces</b>	<ul style="list-style-type: none"> <li>Embedded management using VTrak A-Class SAN management software (via Ethernet)</li> <li>Advanced Command Line Interface (Serial Port or Ethernet via telnet and SSH)</li> <li>Third Party Management Support via SNMP, CIM</li> </ul>
<b>Operating Systems Support</b>	Windows, Linux, Mac OS X
<b>Environmental</b>	
<b>Voltage</b>	100-240 Vac Auto-Ranging
<b>Current (Maximum)</b>	10 A @ 100 VAC; 5 A @ 200 VAC
<b>Power Conversion Efficiency</b>	>80% @ 110V (>20% load), >80% @ 240V (>20% load)
<b>Temperature Range</b>	Operational: 5° to 35°C Non-Operational: -40° to 60°C
<b>Humidity</b>	Operational: 10% to 90% (Non-Condensing) Non-Operational: 5% to 95% (Non-Condensing)
<b>Acoustic Noise Levels</b>	55 dB (Typical) 65 dB (Maximum)
<b>Shock</b>	Operational: 5G, 11 ms duration Non-Operational: 10G, 11ms duration
<b>Vibration</b>	Operational: 0.3G, 5 to 500 Hz Non-Operational: 1G, 5 to 500 Hz
<b>Safety</b>	CE, FCC Class A, UL/cUL, TUV, BSMI Class A, VCCI Class A, CB, KCC, NOM, GOST-R, IRAM, C-Tick, S-Mark
<b>Environmental Standards</b>	RoHS, GreenPC, WEEE
<b>Power Supply</b>	Dual 750W, 100-240 Vac auto-ranging, 50-60 Hz, dual hot swap and redundant with PFC, N+1 design
<b>Dimensions (H x W x D)</b>	17.4 x 44.7 x 50.7 cm 6.9 x 17.6 x 19.96 in
<b>Weight</b>	54.2 kg / 119.5 lbs (with drives)
<b>Warranty and Support</b>	
<b>Warranty</b>	Three year complete system limited warranty with advanced parts replacement; optional extended warranty; onsite parts replacement program - PROMISE Service Plus (optional in some regions)
<b>Support</b>	24/7 e-mail and phone support (English only); 24/7 access to Promise support site-drivers, firmware and compatibility lists

\*VTrak A-Class NAS gateway is an optional appliance to be released at a future date.