Space SSD for Extreme Speed

Only GB Labs has the experience and know-how to produce SSD systems that deliver on the promises of solid state technology - Space SSD provides:

- Incredibly fast sustained data rates
- Support for the largest heavy duty workgroups
- Unparalleled multi-stream 4K, 8K and DPX performance
- Virtually maintenance-free operation

For more than 6 years, leading broadcasters, VFX houses and post facilities have been relying on GB Labs' new generation of super-fast storage. It’s an entirely new level of storage that we call Tier 0. In demanding high resolution environments and in massive HD workgroups, our highly optimized SSD-based Tier 0 systems are the solution the industry has been calling for.

With Space SSD, the online experience is radically transformed. Extreme data rates are sustained even during the busiest sessions. 10Gb and 40Gb Ethernet connections are used to their full potential to share data with clients with no slow down, no dropped frames.

Space SSD is quick to install, straightforward to maintain and works in multi-OS environments. It supports all major NLE platforms and MAM systems, and can be used in any demanding environment including content creation, animation, media processing, multi-channel ingest and video playout.

Main Benefits

- Unparalleled Tier 0 performance
- Tested to deliver in real-world HD, 4K and 8K environments
- Supports mixed OS clients, with no adapters or drivers required
- Supports third party editing, VFX, audio and MAM tools
- Massively expandable capacity
- RAID-level security

Advanced OS Features

- Cloud and remote data replication
- Remote support
- Asset tracking, file management and data transfer tools

Unparalleled Performance

The ultimate storage platform

High Resolution Workflows

Solid state storage is typically run in conjunction with large volume central, nearline and offline systems, uploading and offloading data extremely quickly and securely. When projects are completed, they are transferred from the SSD system to HDD or tape systems, freeing up Tier 0 Space, ready for the next challenge.

Pure SSD

GB Labs has unmatched experience with SSD RAID systems. The team exhaustively tests each and every component to deliver superior performance, low running costs and a greatly extended operational life. We have developed and implemented advanced disk and file management technologies to maintain system health and peak performance over extended periods.

With this approach, Space SSD self-optimizes; there’s no need for routine maintenance such as defragmenting or re-formatting disks.
Tier 0 Product Range

From Supersonic to Light Speed
GB Labs’ extensive range of SSD storage devices is available in many form factors, suitable for many different workflows and working environments. All models deliver sustained performance that easily outshine traditional HDD RAIDs. Within the Space SSD product range itself, users can choose a system that is ideal for 2-3 technicians working on-location with RAW 4K files all the way up to an extreme performance unit - Space SSD, expanded to deliver on its full potential.

With data rates in excess of 9000MB/s, the range is proven in multi-user 8K environments and the largest creative workgroups.

**SPACE SSD**
The world’s fastest 4K and 8K DPX-ready platform ideal for cutting edge creative workgroups. Speed beyond compare.
- Capacities up to 92TB, achieving 3000MB/s performance
- Performance is scalable up to 9000MB/s
- Expandable to 1472TB in a single volume, using Space SSD EX units
- Supports up to 840 ProRes HD and multiple DPX streams
- 10Gb and 40Gb Ethernet connectivity

**MINI SPACE SSD 1RU**
The highest density low-profile storage for OB trucks, data centres and boutique facilities.
- Capacities up to 30TB, expandable with SSD EX units up to 480TB
- Sustained 1500MB/s for excellent HD and 4K performance
- Fast 10Gb or 40Gb Ethernet connectivity

**SPACE 4K DUO ONSET**
4K Space Duo Onset is designed for use in DIT carts. It delivers a super fast storage SSD platform for ingest, grading and editing, as well as secure tape archiving functionality.
- 1500MB/s storage platform for 4K grading, editing and dailies
- High speed ingest with secure archiving
- USB 3.0 interface for external card readers
- Capacities up to 30TB, expandable with SSD EX units up to 480TB
- Includes dual LTO-7 tape drives and dual SSD readers/writers

**MINI SPACE SSD**
Portable high density storage unit for desktop or location use.
- Superb platform for DIT or field editing
- Capacities up to 30TB
- Sustained 1500MB/s for excellent HD and 4K performance
- Supports two 4K DPX or up to 170 XDCAM 50 streams

**SCALED PERFORMANCE**
1. **FAST** Space SSD: the world’s first fully SSD network storage device for creative workgroups - 3000MB/s shared storage
2. **FASTER** Space SSD accelerated with EX SSD: add a single RAID controller for a significant speed boost, with data rates increased by 100% - 6000MB/s shared storage
3. **FASTEST** Space SSD accelerated with two EX SSD: add dual RAID controllers to increase performance by 300% - 9000MB/s shared storage
All Space products are tested rigorously to ensure that they exceed the needs of the most demanding workgroups. The procedures include extended data read/write routines using multiple file types and sizes. This guarantees the end user the fastest possible performance in real-world environments.

Creative Workgroup

Performance Graphs
<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>PERFORMANCE</th>
<th>CAPACITIES</th>
<th>MAX, EXPANDED CAPACITY</th>
<th>FUNCTIONALITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPACE SSD</td>
<td>Pro-Res 4.2.2 - 280 streams Uncomp. HD - 22 streams 2K DPX - 35 streams 4K DPX - 5 streams 3000MB/sec</td>
<td>11.5TB, 23TB, 46TB &amp; 91TB</td>
<td>1472TB</td>
<td>Demanding data rates Animation, CGI, 2K &amp; 4K Content Creation &amp; Editing</td>
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<td>Scalable performance &amp; capacity</td>
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<tr>
<td>SPACE SSD &amp; EX</td>
<td>Pro-Res 4.2.2 - 560 streams Uncomp. HD - 44 streams 2K DPX - 30 streams 4K DPX - 10 streams 6000MB/sec</td>
<td>11.5TB, 23TB, 46TB &amp; 91TB</td>
<td>1472TB</td>
<td>Demanding data rates Animation, CGI, 2K, 4K &amp; 8K Advanced Media &amp; Editing</td>
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<tr>
<td>SPACE SSD 2X EX</td>
<td>Pro-Res 4.2.2 - 840 streams Uncomp. HD - 66 streams 2K DPX - 45 streams 4K DPX - 15 streams 9000MB/sec</td>
<td>11.5TB, 23TB, 46TB &amp; 91TB</td>
<td>1472TB</td>
<td>Demanding data rates Animation, CGI, 2K, 4K &amp; 8K Advanced Media &amp; Editing</td>
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<tr>
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<td>Highest performance and capacity available</td>
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<tr>
<td>MINI SSD 1RU</td>
<td>Pro-Res 4.2.2 - 120 streams Uncomp. HD - 9 streams 2K DPX - 6 streams 4K DPX - 2 streams 1500MB/sec</td>
<td>3.8TB, 7.6TB, 15TB &amp; 30TB</td>
<td>480TB</td>
<td>The highest density low-profile storage for OB trucks, data centres and boutique facilities.</td>
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<td>MINI SSD</td>
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<td>4K DUO ONSET</td>
<td>Pro-Res 4.2.2 - 120 streams Uncomp. HD - 9 streams 2K DPX - 6 streams 4K DPX - 2 streams 1500MB/sec</td>
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<td>Demanding data rates DIT and on location Content Creation &amp; Editing</td>
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<td></td>
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<td>Portable and quiet</td>
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Where to Buy
A full list of qualified resellers is available at www.gblabs.com

Errors and omissions excepted. Technical and product specifications subject to change without notice. Email space@gblabs.com for further information.