

SPACE

Powerful, Intelligent and Easily Scalable Media Storage.

Large scale facility media storage with extreme performance and expandability. www.gblabs.com



So, Who Is GB Labs?

GB Labs is the global leader in intelligent and scalable shared storage to power and protect your creative workflows.

About Us

GB Labs is renowned for its safe, secure, reliable, and remarkably **fast** and **flexible** storage solutions that cater to a wide spectrum of tasks, from ingesting and editing 4K/8K video, to post-production and even long-term archiving.



As a result of two decades of shared storage technology development, GB Labs is trusted and known for creating intelligent media storage solutions.

Irrespective of a production's geographic location or size of team, GB Labs offers optimised solutions that can enhance and empower your creative workflows.

A Fresh Approach to Shared Storage

GB Labs was established to overcome the common challenges found in other shared storage solutions. Some of these include; considerable hardware investment, complex infrastructure requirements, unpredictable media performance and ongoing, time-consuming administration and scalability.

So, we formed a fresh approach to shared storage, removing all these challenges.

Our systems are designed to intelligently adapt to provide maximum performance and include powerful and intuitive toolsets, making them flexible and easy to use.

Our innovative technology, Unify Hub, is leading the way by transforming central storage from a localised structure into something easily accessible worldwide. This technology enables effortless remote working and collaboration capabilities, paving the way for a seamless workflow experience.

Who is GB Labs?



Why SPACE?

SPACE stands as the top choice if you seek expansion, scalable

performance and a comprehensive, fully featured operating system.

SPACE has been meticulously designed to meet the needs of media professionals, where large amounts of data storage and high speeds are essential for day to day working.

Numerous media-based facilities require infrastructure that's capable of handling heavy duty workloads and accommodating large teams that may need to scale up at any time.

With expansion options exceeding 10PB, the deployment possibilities are extensive, providing support for a greater number of simultaneous streams.

And that's not all... the incorporation of our high-speed accelerator, HyperSPACE, can boost the overall performance by up to 6GB/s.

In a nutshell, the SPACE range offers options for both large and small rackmount facilities as well as a desktop format option, providing flexibility and high-performing storage in any location.

How SPACE Grows With You

As your workflow scales, SPACE can add:

- More connectivity
- Greater speeds
- Greater capacity
- Integration into cloud workflows

In addition, it can also provide:

+ Seamless remote working and worldwide media collaboration when using the optional software. Unify Hub. (more details on page 12)





Who Can Benefit From SPACE?

It's simple... any teams working with media.

Industries We've Worked With

We have supplied SPACE solutions to numerous media-intensive and demanding industries over the years, significantly enhancing their workflow efficiency and output.



Modern media workflows are becoming ever more demanding, with team sizes adapting to project needs, and remote and home-based work becoming ever more prevalent. In these environments, your storage systems must be capable of handling additional simultaneous streams, both on and off-premises, without sacrificing performance speeds

How can we resolve the issues that companies face when handling and working with large media? With SPACE!

SPACE is purpose-built for the task at hand, featuring robust and powerful hardware, high-performance SSD, and the optional HyperSPACE boost for even more power. Let's not forget, all of this is guided and monitored by our intelligent CORE operating system, which stands at the forefront of your efficient and easily managed storage system, ensuring your success.



Working with tight deadlines and high-demand workflows?

SPACE has always got your back.





SPACE, Behind The Scenes

Years of dedication, analysis, continuous development and most importantly, success.

GB Labs has invested significant time in examining and analysing storage data movement and behavior within media workflows, with a deep focus on identifying the pain points.

By gaining an understanding of the data throughput, we have harnessed this knowledge to create intelligence within technologies that enhance and expedite media workflows.

Dedicated to delivering optimal user experience

Some of our unique SPACE technologies include:



Dynamic Bandwidth Control

Simplify user management by categorising them into three levels of importance and let the storage control how much bandwidth the user receives. At the same time, the system functions such as automated movements, date replications or transcoding jobs will also be slowed down to provide the best QOS for the most important users.

During low system load, performance is available for all users, always ensuring efficient storage utilisation

Analytics Centre

Analytics Centre

Gain a comprehensive overview of all your network activities in a single glance. Any problems are promptly identified the moment they arise, with a clear path that empowers users to understand precisely what transpired, when and where it occurred, and how to go about resolving it.



Dynamic Expansion

The SPACE SSD, MiniSPACE SSD 1RU, SPACE and SPACE+ solutions offer dynamic expansion capabilities.

When paired with the SPACE EX or SPACE SSD EX unit, together they enable you to expand your storage capacity instantly, all while retaining your existing data in its original location.







The ultimate workflow tool



Purpose Built Storage OS

The heart of any media server lies in its operating system, and our CORE.5 OS has been specifically designed to accompany our product range by our dedicated in-house R&D team. This bespoke approach opens limitless possibilities for tailoring the software to meet your workflow needs.

With an extensive array of workflow tools at your disposal, to create the workflow your business requires, our operating system is not only incredibly user-friendly, but is also exceptionally efficient, consistently delivering top-notch performance.

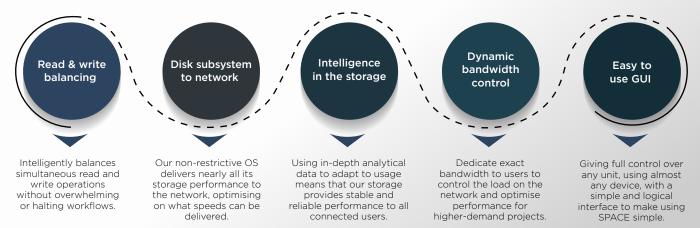
Intelligently Custom Built For Demanding Media Workflows

Through the in-house development of both our operating system and products, we guarantee the highest level of seamless integration between the two, specifically catering to those in the media industry.

Leveraging integrated intelligence, we can confidently ensure exceptional speed and performance in all media workflows, something that cannot be achieved in generic operating systems.

Ensuring Performance

CORE.5 OS sits at the heart of all our SPACE systems, directing and ensuring top quality performance across all workflows.



CORE OS 6





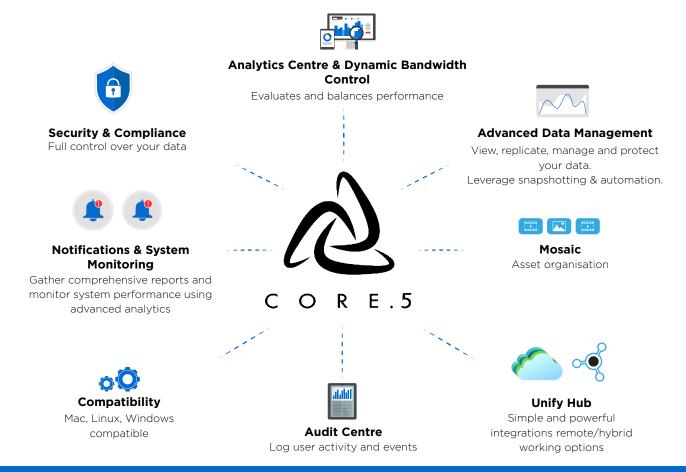
Easy to use, simple to install and powerful to own



Our CORE operating system sits at the heart of our media storage solutions. It's proven and robust technology will empower you to manage your media workflows, right from the start.

As you begin using our OS, you'll swiftly discover the immense capabilities it offers, tailor-made for efficient management and care of your valuable media assets.

Some of the primary advantages of utilising our OS...



CORE OS 7





Industry leading storage OS for media

Security & Compliance

Notifications & System Monitoring



Security & Compliance

Gain easy access to your data while also ensuring individuals have the appropriate permissions. With our CORE OS, users can grant precise access rights to specific individuals and maintain complete control.

Your data is a valuable asset, whether for personal or business use, so it's essential to guarantee its security is airtight.

- Customisable password policies Require users to set passwords to specific lengths - AD & LDAP compatible.
- Hardened Linux kernel Custom compiled direct for our hardware.
- Port blocking Restrict access to services on specific interfaces to prevent unauthorised access.

Auditing

Obtain a comprehensive overview of the activity history and events on your system.

HTTPS access

Manage the server using secure HTTP to prevent eavesdropping.

Active Directory and LDAP support allows you to synchronise your users and groups from a central directory. Passwords are verified in real-time and reduces the need for complicated user management, especially on larger deployments. Disabled or removed users are then instantly blocked from accessing the storage across all systems without the need to update every system.

Notifications & System Monitoring

Run without error with proactive notifications delivered directly to your inbox. Stay informed and maintain control of your system from anywhere in the world.

- Keep track of your systems
 Systems can be integrated into an SNMP managed environment.
- System alerts direct to your inbox Monitoring system events and sending notifications via SMTP to a user's email.

Lights out management

IPMI - allowing users to monitor and manage systems remotely.

Advanced analyics

In-depth dashboard providing comprehensive insights into usage by both users and systems on your network.





Industry leading storage OS for media

Compatibility & Data Management



Compatibility

Our CORE OS offers full compatibility with Mac, Linux and Windows systems, and the majority of our users do not need client software. Additionally, our OS also supports all popular network protocols ensuring secure, reliable, and straight forward data exchange.



A GB Labs technology that maximises the performance of conventional network protocols.



Categorise users into three tiers on bandwidth importance and priority.

Supporting all the conventional network protocols

Data Management

Have complete control over your assets.

Replication

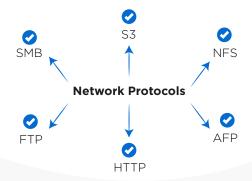
Create your replication tasks, facilitating the seamless transfer of data between various network and cloud locations.

> Recycle Bin

Easily access and oversee the recycle bin for workspaces with enabled recycle bin functionality.

> File Manager

Efficiently navigate and control the files on the system, including transfers between CORE OS systems and cloud locations.



Snapshots

Users have the capability to restore data from point-in-time backups, which the system treats as complete data backups. Snapshots simplify access to stored data and can expedite the data recovery process.

Automation

Enables the system to initiate actions in responses to specific file or event occurrences.





Industry leading storage OS for media

Mosaic



Asset Organisation



Asset Organisation

Automatic media asset organiser to help track and find your assets

Our latest SPACE storage systems come equipped with our Mosaic asset organiser, which is a dynamic, intelligent, and highly enhanced solution for tracking and locating media assets.

Mosaic offers substantial time savings for users, far surpassing outdated and inefficient search methods. It automatically searches through all embedded metadata and combines it with a sophisticated AI tagging system for a more professional approach.

In short, users no longer need to tag anything.

Mosaic takes care of that.

Stay on track...

- ➤ A dynamic significantly improved method for tracking media assets.
- > Eliminates old and inefficient search methods.
- Visually pleasing previews are created on ingest.
- User specific views, live collections, and Google Object recognition.







Industry leading storage OS for media

Cloud & Network Locations & Integrations



Cloud & Network Locations

Choices tailored to your preferences

Our integrated GB Labs operating system supports major cloud providers, allowing users to transfer files to and from the storage using tools such as Replication and File Manager.

CORE OS supports connections to other file sharing protocols including: FTP, SFTP, SMB and NFS.







Dropbox Dropbox Business









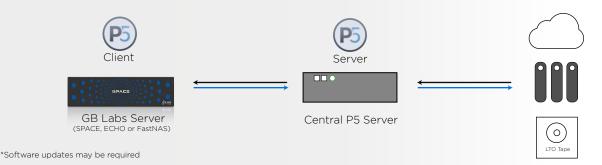
Integrations

Keeping production protected

The integration between Archiware P5 and GB Labs storage platforms offers the versatility to select from various storage devices for backup and archive including disk, LTO tape and cloud storage.



The Archiware P5 platform, available in the latest CORE OS, presents an efficient solution for safeguarding production and ensuring business continuity. It provides enourmous flexibility in configuration, set-up, storage and policy management.



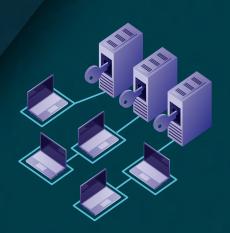




Industry leading storage OS for media

Additional Options...

The media solution for seamless workflow, anytime, **anywhere**.



Collaboration

• • • • •

Collaboration

Global unified file system

Unify Hub allows your central storage systems to be accessed globally, ensuring a smooth, secure and high-speed experience for virtually all media workflows.

Media users can connect to the 'single point of truth' file system from on-premise, home offices, remote sites, or any other place using our GB Connect Client application, all whilst maintaining tight security.



Delivering you the experience and benefits of on-premise shared storage, no matter where you are located!

Furthermore, all users share an identical file path, and all acceleration and caching processes are handled within the file system. This enables effectively all workflows to operate just as seamlessly as they did on the on-premise storage, simplifying the transition from in-office to global accessibility.

OnePath

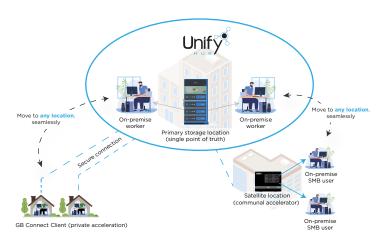
Single file path, every location. Supporting media workflows, applications and MAMs.

HyperAcceleration

Seamlessly edit from any connection with block-level acceleration.

Centralised Access Management

Audit, manage users, and ensure comprehensive security for on-premise, remote and cloud, all from a central location.







Support & Warranty

Always there when you need us



Support

Your satisfaction is our commitment

When you purchase a GB Labs product, you're investing in your business's success.

At GB Labs, we understand the significant impact technical issues can have on your creativity, productivity, and meeting deadlines. That's why we offer a selection of support packages to choose from to give you peace of mind, ensuring you have the full support you need if you're confronted with any technical challenges.

A selection of support packages are available to suit your needs.

Our support packages provide:

- Access to a GB Labs technical expert
- Prioritised escalation process and ticket handling with industry-leading service levels
- Peace of mind
- Comprehensive advanced replacement warranty
- Access to latest software updates, including new features and tool sets



Our comprehensive support offers seamless, hassle-free usage of your products. Don't hesitate to reach out to a GB Labs representative to discover how we can assist you.

Feel confident with GB Labs, we're here to support you!

550 550

SPACE SSD



Scalable performance NAS

Available Technologies with SPACE SSD: IDA² | Dynamic Bandwidth Control | Analytics Centre | Cloak DR | Mosaic | Unify Hub

Beyond Online

4K/8K formats | Image sequencing | Finishing | Uncompressed 4K & 8K



Summary

SPACE SSD is the perfect choice for those seeking to leverage top-tier performance, offering exceptional levels of speed and efficiency.

The SSD drives surpass conventional hard drives in speed, durability, efficiency.

The GB LABS SPACE SSD is significantly designed for demanding, high-intensity tasks, making it the ideal solution for huge render farms or demanding high-resolution image sequences such as 8K DPX.

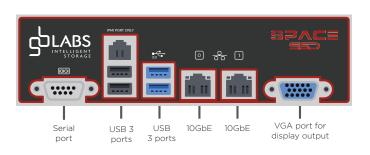


Key Features

- Dynamic expansion up to 10.8PB
- Up to 18GB/s speed
- Pure SSD performance
- Supporting formats up to 8K
- 2 x 10GbE (RJ45) ports
- 2 x 100 GbE (QSFP28) ports
- 24 x SSD drives built for 24/7 use
- Fully featured CORE.5 OS, right out the box
- Disaster recovery options (Cloak DR)



Connectivity





Available Capacities



Running out of storage space? No worries! You can expand your storage seamlessly with our **dynamic expansion** options.

SPACE SSO

MiniSPACE SSD 1RU



Scalable performance NAS in a 1RU

Available Technologies with MiniSPACE SSD 1RU:

IDA² | Dynamic Bandwidth Control | Analytics Centre | Mosaic | Unify Hub

4K/8K Online
Suitable for compressed and RAW formats



Summary

The MiniSPACE SSD 1RU is the perfect choice for those seeking to conserve rack space in compact rack cases or OB trucks without compromising on performance.

With 8 exceptionally powerful SSD drives packed into a single rack unit (1RU), this solution delivers incredible read and write speeds to the network.

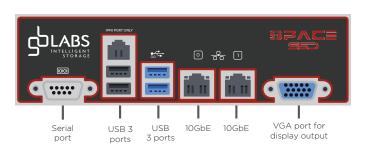


Key Features

- Dynamic expansion up to 3.1PB
- Up to 3GB/s speed
- Pure SSD performance
- Supporting formats up to 8K
- 2 x 10 GbE (RJ45) ports
- 2 x 50GbE (QSFP28) ports
- 8 x SSD drives built for 24/7 use
- Fully featured CORE.5 OS, right out the box
- Compact size

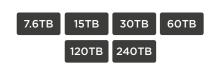


Connectivity





Available Capacities



Running out of storage space? No worries! You can expand your storage seamlessly with our **dynamic expansion** options.

The SPACE Product Range

MINII SPACE SSD



The little box with super powers

Available Technologies with MiniSPACE SSD: IDA² | Dynamic Bandwidth Control | Analytics Centre | Mosaic | Unify Hub

Beyond Online

4K/8K formats | Image sequencing | Finishing | Uncompressed 4K & 8K



Summary

MiniSPACE SSD is an ideal choice for those in need of high-performance shared storage on the go, supporting formats up to 8K.

Its compact SSD drives make it incredibly lightweight and durable, ideal for travel and on-location work.

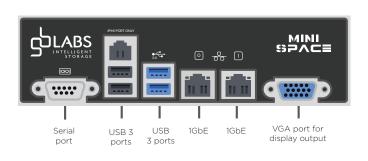


Key Features

- Use in location
- Up to 3GB/s speed
- Pure SSD performance
- Supporting formats up to 8K
- 2 x 1Gb ethernet (RJ45) ports
- 2 x 50GbE (QSFP28) ports
- 8 x SSD drives built for 24/7 use
- Fully featured CORE.5 OS, right out the box



Connectivity





Available Capacities







Scalable facility media storage

Available Technologies with SPACE: $IDA^2 \mid Dynamic \ Bandwidth \ Control \mid Analytics \ Centre \mid Cloak \ DR \mid Mosaic \mid Unify \ Hub$





Summary

SPACE is the ultimate choice for high-performance online storage, enabling seamless collaboration on large projects.

Equipped with enterprise-grade hardware, including dedicated RAID controllers and dual CPUs, SPACE ensures reliable support for heavy workloads, meeting all your editing requirements.

Built at the heart of SPACE is our intelligent CORE.4 OS, offering added security functionalities and data management features to enhance workflow efficiency, such as dynamic bandwidth control and auditing.

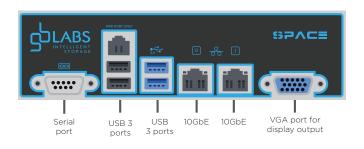


Key Features

- Dynamic expansion up to 5.6PB
- Up to 2.5GB/s
- HyperSPACE compatible (up to 6.5GB/s when combined)

- 2 x 10GbE (RJ45) ports
- 2 x 50GbE (QSFP28) ports
- Fully featured CORE.5 OS, right out the box







Available Capacities



Running out of storage space? No worries! You can expand your storage seamlessly with our **dynamic expansion** options.

SPACE+



The **enhanced** SPACE experience

Available Technologies with SPACE+: $IDA^2 \mid Dynamic \ Bandwidth \ Control \mid Analytics \ Centre \mid Cloak \ DR \mid Mosaic \mid Unify \ Hub$

4K/8K Online

Suitable for compressed and RAW formats



Summary

SPACE+ is a great choice for businesses who need a performance upgrade, covering large teams and more demanding workflows.

With expanded RAM and faster CPUs, SPACE+ delivers exceptional and network speed enhancements, further amplified by dual 100GbE network ports as standard.

SPACE+ is a dependable and powerful solution designed to meet the needs of even the most demanding workflows.

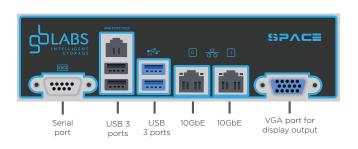


Key Features

- Dynamic expansion up to 5.76PB
- Up to 3GB/s
- HyperSPACE compatible (up to 9GB/s when combined)
- 2 x 10GbE (RJ45) ports
- 2 x 100GbE 9QSFP28) ports
- Fully featured CORE.5 OS, right out the box



Connectivity





288TB 320TB 352TB 384TB

Running out of storage space? No worries! You can expand your storage seamlessly with our **dynamic expansion** options.



HyperSPACE



Solid state acceleration

Available Technologies with HyperSPACE:





HyperSPACE simply attaches to a SPACE or SPACE+ system to offer an added layer of performance.

It operates by simultaneously writing data to both HyperSPACE and the underlying disks, providing an additional SSD boost when re-reading data.

HyperSPACE stands out in the market not only for its performance, but also for its low power consumption, cost-effectiveness in support and remarkable flexibility when working with sporadic and peaky workflows.

It's the ideal solution for teams using a SPACE or SPACE+ looking to supercharge their workflow speed and productivity with additional SSD performance.



Key Features

- Ultimate bolt-on performance boost
- Up to 6GB/s when combined with a SPACE
- Up to 9GB/s when combined with a SPACE+



Available Capacities

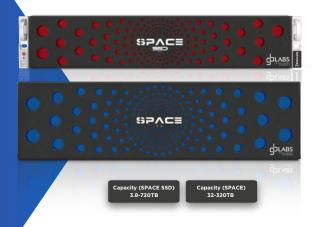


The Power of HyperSPACE

Satisfying the needs of even the busiest facility, regardless of whether creative teams are working on site, or accessing data via hybrid or cloud-based workflows.

SPACE SPACE

SPACE SSD & SPACE Expansion



Rack based facility expansion

Expand your SPACE, SPACE+ or SPACE SSD NAS instantly

Beyond Online & 4K/8K Online



Summary

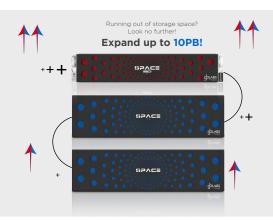
In an extremely fast-paced and data-heavy media environment, there are situations where businesses require rapid capacity expansion. Traditional technologies and other backup solutions may not offer the agility and affordability required.

Our 2 SPACE expansion units empower teams to expand their system in seconds with no downtime, creating a single volume that preserves all workflows and keeps them running as normal.



Key Features

- Dynamic expansion
- Expand your storage in seconds
- Expand up to 10PB!





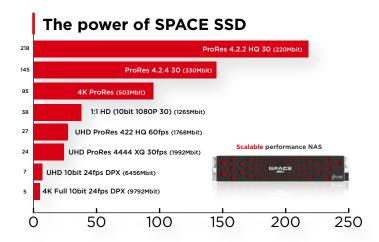


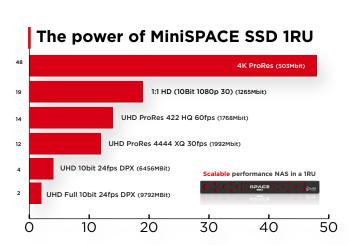




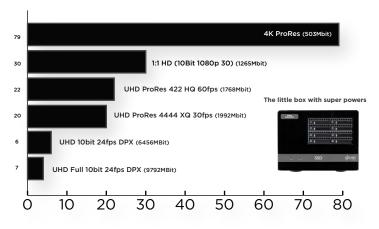
Extreme Real World Performance

Feel the power of SPACE SSD





With huge data rates and incredible IOPs from industrial grade SSDs with trimming and file system optimization to deliver the same performance throughout its lifespan.



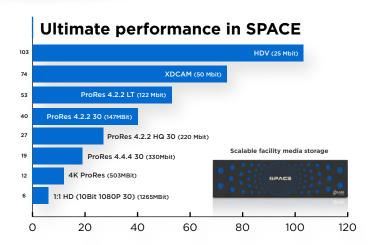


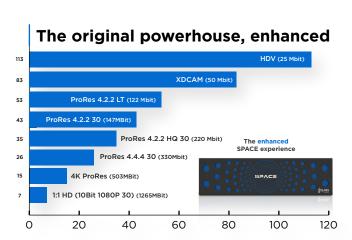
SPACE and SPACE+ systems can scale their performance by leveraging the power of multiple RAID controllers to combine the performance of more disks and onboard caching for the best HDD experience.

SPACE

Outstanding Real World Performance

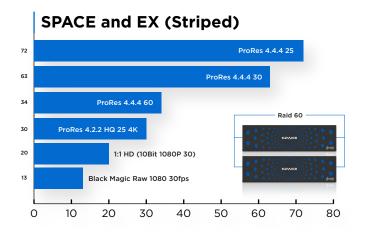
Powerful, intelligent and easily scalable





Further Boosting SPACE System Performance, and the power of RAID controllers

SPACE and SPACE+ are spinning disk 'powerhouses' that have great performance on their own but get even faster when using multiple RAID controllers.



Being able to combine the performance of all the disks and leverage double the write controller cache, means that both read and writes to the system are greatly improved.

This configuration can also be combined with our award-winning HyperSPACE, which means you can invest in a modular platform that will grow with your requirements whatever they might be.

SPACE

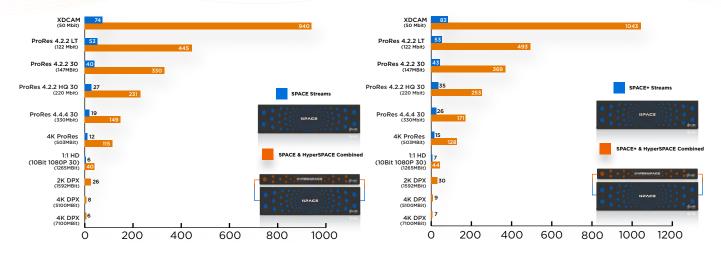
Need your storage to be even faster?

Adding an additional layer of outstanding performance

It doesn't end there...boost performance dramatically with HyperSPACE!

HyperSpace delivers an impressive uptick in performance and supports flexible on-premise, hybrid and cloud-based workflows.





HyperSPACE is the dedicated accelerator for SPACE and SPACE+ systems. When combined with SPACE, the overall acceleration from a single unit will reach 6500MB/sec and with SPACE+ and its higher specifications, a huge 9,000MB/sec.

This unique media-specific accelerator offers massively improved data reads from pure flash in a dedicated accelerator chassis. It is a block level accelerator and can efficiently cache parts of files that are being used rather than the entire file. When data blocks are coming from HyperSPACE, the spinning disks are also alleviated for more potential writes or reads to the system.







Comparison



Which SPACE system best suits your workflow requirements?

Picking the right option for you

		SPACE SSD	MiniSPACE SSD 1RU	MiniSPACE SSD	SPACE	SPACE+
	Overview	The ultimate performance NAS	The ultimate performance NAS in a 1RU	The little box with super powers	Scalable facility media storage	The enhanced SPACE experience
	Max capacity per unit	720TB	240TB	240TB	160TB	384TB
	Disk RAID level	RAID 6	RAID 5	RAID 6	RAID 6	RAID 6
	Network read	Up to 8GB/s	Up to 3GB/s	Up to 3GB/s	Up to 2.5GB/s	Up to 3GB/s
1*	HyperSPACE performance combined	N/A	N/A	N/A	Up to 6.5GB/s	Up to 9GB/s
	Standard Network Ports	2 x 10GbE (RJ45) ports 2 x 100GbE (QSFP28)	2 x 10GbE (RJ45) ports 2 x 50GbE (QSFP28)	2 x 1GbE (RJ45) ports 2 x 50GbE (QSFP28)	2 x 10GbE (RJ45) ports 2 x 50GbE (QSFP28)	2 x 10GbE (RJ45) ports 2 x 100GbE (QSFP28)
	Additional network cards supported	4	0	1	4	4
	Support 4K/8K editing	Yes	Yes	Yes	Yes	Yes
	Comprehensive support options	Yes	Yes	Yes	Yes	Yes
	Rack-mounted	Yes	Yes	No	Yes	Yes
	Dual power supply	Yes	Yes	Optional	Yes	Yes
	Mirrored OS	Optional	Optional	Optional	Optional	Optional
	Portable with optional pelican case	No	No	Yes	No	No
	Plug and play storage expansion	Up to 10.8PB	Up to 3.1PB	N/A	Up to 6.7PB	Up to 6.9PB

^{1* -} Peak performance - requires HyperSPACE unit

Specifications subject to change



SPACE

What's your story?

Could SPACE be the right fit for your company?

——⊸ Contact Us ⊶——

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