

BlackPearl NAS



Scale-up Network-Attached Storage

Spectra® BlackPearl NAS provides secure, scalable secondary storage for a variety of use cases including backup, online shared storage and more. It boasts ransomware-resilient features for enhanced data security.

Built on a scale-up architecture, BlackPearl NAS enables cost-effective growth, scaling up to 20 petabytes (PB) in a single rack it can expand to hundreds of PB. This makes BlackPearl NAS a scalable and secure solution for secondary storage needs.

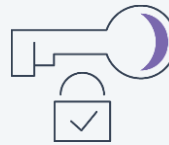


Immutable Snapshots



- Enables near-instant recovery from data loss, corruption or accidental deletion.
- Captures file system status at a point in time, ensuring backed-up data integrity.

Multi-Factor Authentication



- Reduces the risk of unauthorized access and strengthens data protection.
- Adds a crucial barrier to mitigate the impact of potential security breaches.

Multi-Site Replication



- Reduces the risk of data loss by storing several copies of data in different locations.
- Enhances disaster recovery by maintaining data copies across geographically dispersed sites.

Self-Encryption



- Ensures automatic, hardware-level data protection, safeguarding critical data.
- Secures sensitive data, supporting compliance with industry regulations.

Flexible Deployment Options

BlackPearl NAS simplifies data management, reduces costs, and ensures data availability. It is the ideal choice for organizations seeking a future-proof secondary storage solution. Organizations have the choice of three (3) models to meet their performance and capacity needs, along with an expansion module for even greater data growth.



Technical Specifications

	BlackPearl V Series			BlackPearl S Series			BlackPearl X Series			BlackPearl Expansion Node	
Interface	CPU with Mother board	Tape Connect	Network	CPU with Mother board	Tape Connect	Network	CPU with Mother board	Tape Connect	Network	Dual Power Supplies	
	Single	Up to 3 FC or SAS HBA	25 GbE Std., 40GbE optional	Single	Up to 3 FC or SAS HBA	25 GbE Std., 40GbE optional	Single or Dual	Up to 2X8 or 16 port FC or SAS HBA	100 GbE Std	SAS Interface	
Internal Disk Drives	24 X 3.5" SAS HDD			60 X 3.5" SAS HDD			N/A			78 x 3.5" SAS HDD	108 x 3.5" SAS HDD
Flash Drives	Up to 6 x U.2 NVMe			Up to 10 x U.2 NVMe			Up to 24 U.2 NVMe			None	
Throughput	Up to 1.6 GB/s to tape sustained			Up to 4 GB/s to tape sustained			Up to 9 GB/s to tape sustained			N/A	

Environmental Specifications – Operating

	BlackPearl V Series	BlackPearl S Series	BlackPearl X Series	BlackPearl Expansion
Humidity	5% to 95% (non-condensing)	5% to 95% (non-condensing)	20% to 80% (non-condensing)	20% to 80% (non-condensing)
Temperature	50° F to 95° F ^a (10° C to 35° C)	50° F to 95° F ^a (10° C to 35° C)	41° F to 95° F ^a (5° C to 35° C)	32° F to 95° F ^a (0° C to 35° C)
Altitude	Sea level to 10,000 ft (3,048 m)	Sea level to 10,000 ft (3,048 m)	-200 ft to 10,000 ft (-61 m to 3,048 m)	-200 ft to 10,000 ft (-61 m to 3,048 m)

a) Maximum operating temperature is specified at sea level and is 2 percent lower per 1,000 feet (305 m) of increased altitude.

Dimensions

	BlackPearl V Series	BlackPearl S Series	BlackPearl X Series	BlackPearl Expansion
Height	3.5 in (8.9 cm)	7.0 in (17.8 cm)	3.5 in (8.9 cm)	7.0 in (17.8 cm)
Width	19 in. (48.3 cm)	19 in. (48.3 cm)	19 in. (48.3 cm)	19 in. (48.3 cm)
Depth	33 in (783.8 cm) ^a	37.5 in (95.3 cm) ^a	29 in (73.7 cm) ^a	32.0 in (81.0 cm) ^a 38.5 in (97.8 cm) ^c
Weight	72 lb. (32.7 kg) ^b • Empty chassis • Each add'l HDD • Each add'l SSD	99 lb. (44.9 kg) ^b 1.8 lb. (0.8 kg) 0.8 lb. (0.4 kg)	60 lb. (27.2 kg) ^b	88.5 lb. (40.1 kg) ^b 1.5 lb. (0.67 kg)

a) Includes the front bezel.

b) Weights are approximate.

c) Includes optional cable management arm.

About Spectra Logic Corporation

Spectra Logic develops a full range of Attack Hardened™ data management and data storage solutions for a multi-cloud world. Dedicated solely to data storage innovation for more than 40 years, Spectra Logic helps organizations modernize their IT infrastructures and protect and preserve their data with a broad portfolio of solutions that enable them to manage, migrate, store and preserve business data long-term, along with features to make them ransomware resilient, whether on-premises, in a single cloud, across multiple clouds, or in all locations at once.

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