BlackPearl

Preserve. Protect. Defend.
your data at scale

Spectra Logic BlackPearl® storage is a software-defined solution built on a scalable architecture that enables the availability and optimization of data across a range of storage mediums, including flash, disk, tape, and cloud.

Security, flexibility and adaptability make BlackPearl an ideal choice for organizations seeking an integrated, compatible foundation for any critical secondary storage workflow.

BlackPearl S3

- Integrates with S3-compatible applications
- Optimized for large, unstructured datasets
- Policy-based data movement
- Seamless Replication and data redundancy

BlackPearl NAS

- Enhanced Security
- Data Preservation and Immutability
- Scalable to 20PB raw storage in a single rack
- Cost-effective (NFS, CIFS/SMB) storage

BlackPearl Nearline Media Gateway

- Optimized for Tape Storage
- Advanced Policy Control
- Enhanced Data Protection
- Designed for Tailored Workflows
- Data Resilience

Object-based Tape

- 100% compatible with AWS S3 Glacier
- Instant retrieval of infrequently accessed data
- Deep archive tier for long-term data retention
- Scales to exabytes of storage

BlackPearl: Flexible Deployment Appliances

The BlackPearl product family enables the most optimized, efficient placement of data with All-flash and Hybrid disk/flash configurations.

Offered as a choice of two (2) models with hardware options and multiple expansion modules to meet different performance and capacity needs.

Maintain full access and control over your data, with an enhanced Active-Standby availability architecture that minimizes downtime and maximizes reliability.

BlackPearl Technical Specifications

	BlackPearl H3300	BlackPearl X-Series	BlackPearl Expansion
Processor	AMD (Milan) CPU	AMD (Rome) CPU	N/A
Availability	Single node or Active/Standby	Single node or Active/Standby	N/A
Power	Dual 1200W PS	Dual 1300W PS	Dual 1300W PS
Network	1x 1 GbE mgmt; 1x 1 GbE IPMI 2x 10/25 GbE or 2x 40/100 GbE	1x 1 GigE mgmt 2x 40/100 GbE	SAS Interface
Network (optional)	6x PCIe (Gen4) slots 5x 4-port 12Gb SAS HBAs 5x 4-port 16Gb FC HBAs 5x 4-port 32Gb FC HBAs	2x PCIe (Gen4) slots 2x 4-port 12Gb SAS HBAs 2x 4-port 16Gb FC HBAs 2x 4-port 32Gb FC HBAs	N/A
Capacity	24x 3.5" HDD 4x 2.5" SSD	24x 2.5" SSD	78x 3.5" HDD 108x 3.5" HDD
HDD's	8, 22TB SAS 8, 20TB SAS (SED)	N/A	4, 8, 22TB SAS 8, 20TB SAS (SED)
SSD's	1.6, 6.4, 25TB NVMe (U.2)	1.6, 6.4, 25TB NVMe (U.2)	N/A
Throughput	Up to 2GB/s to tape(sustained)	Up to 9GB/s to tape(sustained)	N/A

Environmental Specifications – Operating

	BlackPearl H3300	BlackPearl X-Series	BlackPearl Expansion
Humidity	5% to 95% (non-condensing)	20% to 80% (non-condensing)	20% to 80% (non-condensing)
Temperature	32° F to 95° F [a] (0° 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	-200 ft to 10,000 ft (-61 m to 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 H3300	BlackPearl X-Series	BlackPearl Expansion
Height	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)
Depth	27 in (68.6 cm)[a]	29 in (73.7 cm)[a]	32.0 in (81.0 cm)[a] 38.5 in (97.8 cm)[c]
Weight • Empty chassis • Each add'l HDD • Each add'l SSD	114 lb. (51.8 kg)[b] 1.8 lb. (0.8 kg) 0.8 lb. (0.4 kg)	60 lb. (27.2 kg)[b] 1.8 lb. (0.8 kg) 0.8 lb. (0.4 kg)	88.5 lb. (40.1 kg)[b] 1.8 lb. (0.8 kg) 0.8 lb. (0.4 kg)

a) Includes the front bezel.
b) Weights are approximate.
c) Includes optional cable management arm.

About Spectra Logic Corporation

Spectra Logic modernizes IT infrastructures to preserve, protect and defend data, from days to decades, whether on-premises, in a single cloud, across multiple clouds or in all locations at once. Our cost-effective solutions help organizations efficiently manage, migrate and store long-term data, from terabytes to exabytes, with features that make it ransomware resilient

SPECTRA

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