

# BlackPearl



## Software-Defined Platform for Tiered Object and File Storage

Spectra Logic is at the forefront of data preservation, protection, and optimization.

BlackPearl® extends this legacy by delivering a robust, software-defined storage platform that seamlessly integrates with flash, disk, tape, and cloud—enabling organizations to secure and preserve their critical data at scale.



### BlackPearl S3



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

### BlackPearl NAS



- Scalable to 20PB of raw storage in a single rack
- Data preservation and immutability
- Cost-effective storage (NFS, CIFS/SMB)

### BlackPearl Nearline Media Gateway



- Optimized for tape storage
- Advanced policy control
- Robust data protection for enhanced resilience
- Designed for tailored workflows

### Object-Based Tape



- Compatible with AWS S3 Glacier
- Fast retrieval of infrequently accessed data
- Deep archive tier for long-term data retention
- Scales to exabytes of storage

## BlackPearl: Flexible, Resilient, and Future-Ready

The BlackPearl family provides scalable, policy-driven storage solutions with all-flash and hybrid disk/flash configurations. Designed for high availability, reliability, and cost-effective scalability, BlackPearl ensures seamless data access and control whether on-premises, in the cloud, or across a multi-cloud hybrid environment.

BlackPearl provides a future-ready storage foundation, optimizing data security, accessibility, and management for active archives, deep storage, and hybrid cloud workflows.



# BlackPearl Technical Specifications

	H3300 HDD+SSD-based Deployment Appliance	F7300 Flash-based Deployment Appliance	E2078 Disk Expansion Chassis
Processor	AMD Milan CPU	AMD Genoa CPU	N/A
RAM	256, 512GB	512GB	N/A
Availability	Single node or Active/Standby	Single node or Active/Standby	N/A
Expansion	Up to 4x E2078	Up to 8x E2078	N/A
Protection	ZFS RAID dual-parity or triple-parity		
Dimensions	4U, 7x19x27(in), 17.8x48.3x68.6(cm)	2U, 3.5x19x30(in), 8.9x48.3x76.2(cm)	4U, 7x19x32(in), 17.8x48.3x81.3(cm)
Power Supplies	Dual, Redundant 1300W	Dual, Redundant 1600W	Dual, Redundant 1600W
Network	1x 1 GbE mgmt; 1x 1 GbE IPMI 2x 10/25 or 40/100 GbE	1x 10 GbE mgmt; 1x 1 GbE IPMI 2x 40/100 GbE	N/A
Connectivity	6x PCIe (Gen4) slots 5x 4-prt 12Gb SAS HBAs 5x 4-prt 24Gb SAS HBAs 5x 4-prt 16Gb FC HBAs 5x 4-prt 32Gb FC HBAs	2x PCIe (Gen5) slots 2x 4-prt 12Gb SAS HBAs 2x 4-prt 24Gb SAS HBAs 2x 4-prt 16Gb FC HBAs 2x 4-prt 32Gb FC HBAs	SAS Interface
Capacity	24x 3.5" HDD 4x 2.5" SSD	24x 2.5" SSD	78x 3.5" HDD
HDD's	8, 20, 22TB SAS 8, 20TB SAS (SED)	N/A	4, 8, 20, 22TB SAS 8, 20TB SAS (SED)
SSD's	1.6, 6.4, 12.8, 25.6TB NVMe SSD (U.2)	1.6, 6.4, 12.8, 25.6TB NVMe SSD (U.2)	N/A
Amb Temp	32°F to 95°F (0°C to 35°C ) (Altitude -200 ft to 10,000 ft)		
Humidity	5% to 95% relative humidity non-condensing, operating		
Thermal	4435 BTU/hr	5460 BTU/hr	5460 BTU/hr
Certifications	ENERGY STAR 2.0 for Servers		

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