

RACK-MOUNT SYSTEM

ELS500

Scalable Rack-Mount Optical Library

Scalable nearline preservation for growing repositories.

A 7U automated optical library for preservation and Active Archive architectures. Network-accessible drives allow multiple ELS systems to operate within one oRain-managed environment.

**576**

maximum media

Up to 6

drives

374 TB

with 1TB media

7U

rack footprint

WHERE IT FITS



For Active Archive, performance storage and nearline preservation work together. For preservation-only deployments, cache can be cleared after successful optical preservation.

BUILT FOR

- Departmental and enterprise preservation
- Active Archive behind SSD/HDD performance storage
- Medical imaging, records, evidence and content libraries
- Scale-out optical capacity across multiple ELS systems

Technology changes. Information persists.

ELS500

TECHNICAL OVERVIEW

Core specifications

Underlying model	HDL576
Cartridges / media	48 cartridges; 12 media each; 576 max
Magazines	2; 24 cartridges per magazine
Capacity	93 TB / 187 TB / 374 TB (200GB / 500GB / 1TB)
Drives	Up to 6
Power	110-230VAC 50-60Hz; 450W peak / 200W typical
Dimensions	17.7 x 12.2 x 36 in; 448 x 310 x 930 mm
Rack / max weight	7U; 177 lb / 80 kg

INTEGRATION & MANAGEMENT

- S3-compatible object interface
- Pair with performance storage for Active Archive
- oRain manages objects across multiple networked ELS systems
- Write Strategy supports placement, physical separation and additional copies

PRESERVATION & RESILIENCE

- Write-once optical preservation
- Optical RAID 11+1 protection and recovery
- Low idle-power profile compared with disk-only retention
- Preservation capacity can scale without creating storage silos

ONE ELS FAMILY. ONE MANAGED ENVIRONMENT.

ELS systems can operate as preservation infrastructure or as the optical foundation of Active Archive. oRain provides a unified object and storage-management layer across systems.

Specifications are configuration-dependent and subject to final system design. Media capacities shown reflect supported media classes in current product specifications.