DISC BD Series
The future of archiving today..

archive by **DISC**

50+ years unlimited archive security

DISC BD Series meets the data growth challenge

The DISC BD Series of automated Blu-ray Archival Storage Libraries offer nearline access to information at a fractional total cost of ownership (TCO) then that of comparable replicated hard disk-based systems. Fitting up to 70TB's in a single 35U frame while consuming less then 8 watts/TB of capacity, the DISC BD Series library solutions can help your organization cost-effectively meet budgetary, regulatory compliance and the ever-growing data storage growth and retention requirements of today and tomorrow.

Applications

- A/V production
- Archiving & Backup
- Banking
- Broadcasting & Entertainment
- Education
- Government
- Industry
- Insurance
- Law enforcement & Judiciary
- Libraries & Museums
- Medical
- Security

Scalability

- Modular design from 4 TB to 70TB
- Individual configurations
- SmartPack™ Technology for flexible and infinite capacity

Data security and compatibility

- Downward compatibility from BD to DVD and CD
- Extreme reliability and fast access through Blu-ray® technology
- Maintenance-free operation and long-term data integrity for decades
- Standard components and media

Sustainable, Green Archiving

- Lowest data storage energy consumption
- Environmentally friendly through significant reduction of your IT´s carbon footprint
- Small footprint: 70TB needs only 0,25 sqm

Professional optical libraries for reliable long term storage

The DISC BD Series are designed to grow with your data needs and provides you with an extremely reliable archiving solution using standard Blu-ray media. Blu-ray® technology provides up to 100 Gigabyte (GB) of native storage capacity per media, and is designed for a 50+year shelf life. The DISC BD Series enables direct access to all media, providing an archive solution that utilizes a fraction of the power consumption of HDD-based solutions. The DISC SmartPack™ technology combines hot-swap capability with superior data/media protection outside of the library. All DISC BD Series libraries can be easily integrated into your network via a wide range of connectivity options.

DISC BD Series

Optical archiving for the 21st century

Key features

- Automated optical media library providing near-line access to 70TB
- SmartPack ™15 media pack with "No Touch Tray Technology"
- Direct attachment to PC/NAS Server via SAS Host Interface
- Extensive built-in diagnostics
- Optional redundant power supply
- Fits 19-inch standard racks and cabinets (kit optional)
- Supports CD/DVD and Blu-ray® WORM and rewritable media
- Engineered and manufactured in Germany

Connectivity

- Direct attached via Serial Attached SCSI (SAS)
- Network attach support through NAS and SAN

Software support

- Support for Windows, Apple Mac, Linux and other platforms via storage management software
- Connects to virtually any application via file systems or APIs with transparent access to optical libraries.
- Storage management options: HSM, mirroring and read/write cache settings using UDF and other file systems.
- Media can be managed in WORM or rewritable volume sets containing single or multiple physical media with spanning and dynamic expansion options.

RAS (best values in industry)

MTBF	electronics	120,000 hrs
MLBF	drive	> 800,000
MSBF low / mid / enterprise	library	5,000,000
MTTR	library	< 20 min
Repair rate	PpM	< 10

Configurations

DISC Series	DISC1000		DISC3000		DISC4000		DISC7000
Number of slots	45	105	270	145	400	340	690 – 510
Number of drives	2		2-6		2-6		2-14
Capacity (in TB)*	4.5	10.5	27	14.5	40	34	69 – 51

*with 100 GB BDXL Media

Specifications

System		Drives		Media	
Mailslot	Media handling	Type	Formats	Characteristics	Capacity
single media load standard	SmartPack™ 15 media load with"no touch tray" technology	Blu-ray® Disc (BD)	BD-ROM BD-R, BD-RE CD, DVD, R/W compatible	120 mm single side, surface hard coated	25 GB 50 GB 100 GB 128 GB*

*planned, not yet available