DISC BD Series
DISCover the future of archiving

archive by

DISC

50+ years unlimited archive security

DISC BD Series meets the data growth challenge

DISC's Digital Data Archive provides long term management of your information. Once securely stored, your data consumes zero power providing a true Green Solution to the uncontrolled growth of your data. With 50 years media life, the DISC BD Series delivers the lowest cost storage solution and ensures your information is preserved for future generations.

Applications

Scalability

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

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

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 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 is 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) per media and is designed for 50 years life. The DISC BD Series ensures direct access to media enabling an archive solution with a small fraction of the power consumption of HDD based solutions. The DISC SmartPack™ Technology combines hot swap capability with the best protection outside of the library. All DISC BD Series libraries can be easily integrated into your network via a wide range of connectivity options.

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 Server via SAS Host Interface
- 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	24	270	37	400	510 – 690
Number of drives	2		2-6		2-6		2-14
Capacity (in TB)*	4.4	10.4	24	17	37	40	51 – 69

*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