HIT-Storage

For long term secure data archiving

Energy-efficient | Compatible | Easy to integrate | Durable

NETZON® HMS archive storage

Libraries for long term archiving

HIT HSM libraries are specially designed for the long-term archiving of critical digital data. The optical data carriers can be used for both nearline and offline access.

- 7 TB to 175 TB storage capacity (100 GB BDs)
- Magazines with 35 Blu-ray media each
- Reliable and durable trueWORM data carriers (50 years)
- Lowest energy consumption and no heat dissipation
- Almost no migration costs

High-volume optical archive library

HIT / NETZON's HSM range are highly reliable near-line mass storage systems which use Blu-ray media of 50, 100 or 128GB, and are optimally organised into magazines each of 35 media, for long-term and optimised energy-efficient data management (Green IT). The smaller range of HIT archive storage has systems of 70 media (**HMS 2070**), 105 media (**HMS 2105**), 350 media (**HMS 3350**) and 560 media (**HMS 3560**).

The latest model from the HMS range: the "5175"

The new **HMS 5175** model, with 1750 media, has unique properties, making the system especially suitable for long-term data storage for the analysis of **Big Data**, but also as secure data storage for the archiving of sensitive and business-critical data. The HMS 5175 media library can be used with a maximum of 12 drives and is thus able to transfer to optimal media at a rate of up to 280 MB / sec. The in-built NAS server has a hard drive cache, which is intelligently managed by the library software and is also designed to be fail-safe, thanks to redundant power supplies.

Available HIT HMS archive storage

- HIT HMS 2070 NAS (7 TB)
- HIT HMS 2105 NAS (13.4 TB)
- HIT HMS 3350 NAS (44.8 TB)
- HIT HMS 3560 NAS (71.6 TB)
- HIT HMS 5175 NAS (224 TB)

You may also be interested in the HIT HDL series with storage capacities over 1 Petabyte (1327 Terabyte).

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These systems enjoy minimal energy consumption (**COLD storage**) compared to other storage systems. The robust mechanics (HIT archive robots have been in use for 20 years now), and the innovative magazine technology, ensure long-term access to databases. The separation of data carriers and drives also ensures against data loss. Professional BD media are certified for a lifespan of 50-100 years and thus significantly reduce migration costs.

Optical libraries - energy-efficient long term archiving

The optical libraries stand out thanks to their use of Blu-ray disks which, once written on, cannot be changed (trueWORM), and thus meet one of the most important requirements in terms of business compliance and regulations in other areas, such as the in medical sector.

Optical libraries are also unbeatable in terms of energy efficiency. As long as the data is not accessed, the Blu-rays sit in their slots or cartridges (HDL archive memory) and consume no electricity. With the appropriate storage management solution can, for example, last and frequently used files be kept in a ring cache, so that the requested information is readily available for the user. Optical libraries are therefore also ahead of other solutions in terms of speed.

Magazines for the HMS libraries

- Ergonomic design for quick and easy access
- Patented design: removable data magazines
- Suitable for all archive storage in the HMS and offline range
- 35 media on special data carriers, for contactless transportation
- Changer magazine for easy replacement and offline data management
- Locking mechanism protects data carriers from accidental opening during transportation and removal of media
- Double RFID marking

Technical Data

Models	HMS 2070	HMS 2105	HMS 3350	HMS 3560	HMP 3560	HMS 5175
Disc capacity	70	105	350	560	560	1750
Disc magazine *1	2	3	10	16	16	50
Storage capacity *2	7 TB	10.5 TB	35 TB	56 TB	56 TB	175 TB
Drives	2	4	6	8	12	12
Disc load time *3	< 3,5 sec.	< 5 sec.	< 6 sec.	< 6 sec.	< 6 sec.	
MSBF	2,5 Mio.					
Interfaces	SAS, LAN, NAS				LAN	MiniSAS, LAN, SATA
Specials	-	-	-	-	Printer / Protected output area (fingerprint)	-

*1 (with 35 slots) *2 (100 GB Blu-ray) *3 (average)

E-V2_0-250604

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