NETZON® HDL archive storage

Optical WORM cartridge libraries for the highest level of security and non-modifiable long-term archiving

✓ 2.4 TB to 1000 TB capacity

✓ Cartridges with 12 Blu-ray media

✓ Reliable and durable trueWORM data carriers (50 years)

✓ Lowest energy consumption and no heat dissipation

✓ Almost no migration costs

High-density optical storage systems

HIT's HDL boxes bring order to your databases and enjoy impressively high capacity and secure storage technology. The storage systems, which were promoted to a great extent via a Facebook project, accommodate **cartridges each holding 12 Blu-rays** (each of 100 or 128 GB) (instead of 35-slot magazines) with a capacity of 1.2 TB or 1.5 TB per cassette. The various HDL models thus enjoy a substantial 2.4 TB capacity in the smallest version (the HDL 24), and up to at least **1 petabyte** for the **HIT HDL P1**.

Thanks to its innovative architecture, the HDL P1 the system is especially suitable for long-term data storage, such as the use of big data analysis, but also as secure data storage for the archiving of sensitive and business-critical data. The HDL P1 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 is equipped with a hard drive cache and a redundant power supply.

Compared with other storage systems, and given its accessible capacity of 1PB – the overall system has the **lowest energy consumption** (green storage). The robust mechanics (HIT archive robots have been in use for 20

Available HIT HDL archive storage

> HIT HDL 24 (3 TB)

> HIT HDL 8640 (1105 TB)

> HIT HDL 10368 (P1) (1327 TB)

You may also be interested in the HIT HMS series with storage capacities up to 224 Terabyte.

years now), and the innovative magazine technology, ensure long-term access to databases. The separation of data carriers and drives (COLD storage) also ensures against data loss. Professional BD media offer 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.

Cartridges for the HDL libraries

> Ergonomic design for quick and easy access

> Patented design

> 12 media per cartridge for contactless transportation

> Changer cartridge for easy replacement and offline data management

> Locking mechanism protects data carriers from accidental opening during transportation and removal of media

> RFID marking

Technical Data

Models	HDL 24	HDL 8640	HDL 10368
Disc capacity	24	8640	10368
Disc cartridges *1	2	720	864
Storage capacity *2	2.4 / 3 TB	864 / 1105 TB	1037 / 1327 TB
Drives	2	12	12
Disc Load Time *3	5 sec.	< 10 sec.	< 10 sec.
MSBF	5 Mio.	> 2,5 Mio.	> 2,5 Mio.
Interfaces	LAN, Mini SAS, SATA		

*1 (with 12 Slots)   *2 (100 / 128 GB Blu-ray)   *3 (average)