# HIT archive solution 1035

**The secure small archive with WORM file system for the most important Data - with 3.5 TB of data capacity**

The HIT archive box 1035 HDD-NAS is designed for high-performance long term archiving of critical data.

A professional RAID1 HDD-Storage enables very fast data access with simultaneously low power consumption and maximum reliability. The optical Blu-ray media with a capacity of 25, 50, 100 up to 128GB can be accessed in libraries directly or removed and kept offline at another save place. Additionally you are able to read the data in any BD-drive, independent of OS, Application or Hardware. This advantage is unique in the storage sector and grants an invincible data security.

All libraries can be loaded and unloaded by using the removable 35-slot magazine. Single media im- and export can be done by using the extra mailslot in each Library. The optical drives, based on industrial standard, are very reliable Libraries and are able to write / read all types of optical media like DVD, BD and BD-XL.

The BD library HIT 1035 NAS can be used as a desktop archive in a 19"-Rack. For an easy and scalable near- or offline archive, the libraries can be integrated into a NETZON HMS 8-OFF Offline Rack.

The self-monitoring and fully automatic optical archive solution enables a safe and affordable data quality management of archived data. Besides the security of the optical storage and the data access speed of the RAID1-Cache, the low energy consumption and the little prime- and maintenance cost are three more advantages.

Latest news about INCOM Storage- and archiving solutions can be found on: www.incom.de.

## Main features of HIT 1035

trueWORM Blu-ray disc archive media with certified data durability of 50+ years

Integrated storage management can be used as application connector for e.g. DMS systems

WORM file system & management software

Partitionable WORM-Filesystem

Easy creation of media copies possible

Physically transportable data carriers

Single media readable in BD drives

RAID1 cache for increased data security with fast access

Fast file access through internal HDD cache

Mailslot for online media import / export: 1x media drawer

Also available as:
HIT archive 2105 NAS (10,5 TB / 100 GB BD)
HIT archive 3350 NAS (35 TB / 100 GB BD)
HIT archive 3560 NAS (56 TB / 100 GB BD)

Optional:
19" rack mount, eSATA / iSCSI Connectivity

## Magazines

Ergonomic design for easy access

Patented design

Fully compatible with the whole HIT archive series including the offline rack for magazines
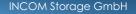
Stores up to 35 discs

Flexible replacement

Double lock to ensure disc safety

Dual RFID tags

## Technical Details

| | |
|---|---|
| **Disc capacity** | 35 discs CD / DVD / BD - max. 3,5TB |
| **Drives** | max. 2 (CD / DVD / BD / BD-XL) |
| **Magazine capacity** | 1 (for up to 35 discs) with RFID for Offline-Management |
| **Interfaces** | 2x LAN (one can be used for the remote diagnosis) |
| **Read cache** | RAID1 - 2x 1TB (option more) |

INCOM Storage GmbH | Bachstraße 32 · D-53115 Bonn
Tel.: +49-228-97-97-70 · Fax: +49-228-25-70-77
E-Mail: office@incom.de · Web: www.incom.de

E-V1_1_171221

# HIT archive solution 2105

## The NAS storage system HIT 2105 offers maximum security and fast access for audit-proof long-term archiving

The HIT archive box 2105 HDD-NAS is designed for high-performance long term archiving of critical data.

A professional RAID1 HDD-Storage enables very fast data access with simultaneously low power consumption and maximum reliability. The optical Blu-ray media with a capacity of 25, 50, 100 up to 128GB can be accessed in libraries directly or removed and kept offline at another save place. Additionally you are able to read the data in any BD-drive, independent of OS, Application or Hardware. This advantage is unique in the storage sector and grants an invincible data security.

All libraries can be loaded and unloaded by using the removable 35-slot magazine. Single media im- and export can be done by using the extra mailslot in each Library. The optical drives, based on industrial standard, are very reliable Libraries and are able to write / read all types of optical media like DVD, BD and BD-XL.

The BD library HIT 2105 NAS can be used as a desktop archive in a 19"-Rack. For an easy and scalable near- or offline archive, the libraries can be integrated into a NETZON HMS 8-OFF Offline Rack.

The self-monitoring and fully automatic optical archive solution enables a safe and affordable data quality management of archived data. Besides the security of the optical storage and the data access speed of the RAID1-Cache, the low energy consumption and the little prime- and maintenance cost are three more advantages.

Latest news about INCOM Storage- and archiving solutions can be found on: www.incom.de.

## Main features of HIT 2105

trueWORM Blu-ray disc archive media with certified data durability of 50+ years

Integrated storage management can be used as application connector for e.g. DMS systems

WORM file system & management software

Partitionable WORM-Filesystem

Easy creation of media copies possible

Physically transportable data carriers

Single media readable in BD drives

RAID1 cache for increased data security with fast access

Fast file access through internal HDD cache

Mailslot for online media import / export: 1x media drawer

Also available as:
HIT archive 1035 NAS (3,5 TB / 100 GB BD)
HIT archive 3350 NAS (35 TB / 100 GB BD)
HIT archive 3560 NAS (56 TB / 100 GB BD)

Optional:
19" rack mount, eSATA / iSCSI Connectivity

## Magazines

Ergonomic design for easy access

Patented design

Fully compatible with the whole HIT archive series including the offline rack for magazines

Stores up to 35 discs

Flexible replacement

Double lock to ensure disc safety

Dual RFID tags

## Technical Details

| Disc capacity | 105 discs CD / DVD / BD - max. 13,4TB |
|---|---|
| Drives | max. 4 (CD / DVD / BD / BD-XL) |
| Magazine capacity | 3 (for up to 35 discs) with RFID for Offline-Management |
| Interfaces | 2x LAN (one can be used for the remote diagnosis) |
| Read cache | RAID1 - 2x 1TB (optional more) |

# HIT 5175 optical Blu-ray Archiv System

## Secure Data Safe for Long Term Archiving

HIT optical storage systems are reliable near line mass storage & archiving devices using optical blu-ray discs. The archive system has an industry rugged robot, optical discs and lockable magazines. Data is written and read using up to 12 optical blu-ray drives. The system is designed as a perfect storage device for near line data storage, backup and archiving. Currently, the HIT archive systems include: HMS 1035, HMS 2105, HMS 3350, HMS 3560, HMS 5175. The last digits specify the number (35, 105, 350, 560 or 1750) of hosted media per unit.

The HMS 5175 optical storage system provides a usable storage capacity between 87 and 224 TB depending on the media type. HMS 5175 has several features for usage in a data center: build-in high performance buffer, powerful built-in controller (optional), industry rugged mechanical structure, robot and power supplies. Up to 12 blu-ray drives can be used simultaneously by concurrent tasks to burn the maximum concurrent bandwidth of 280MB/s, in order to meet the growing big data archiving and backup needs.

data archiving 100% virus-resistant

## Main features of HMS 5175

Up to 1750 discs (CD/DVD/BD)

50 removable disc magazines

Up to 12 simultaneous drives specialized for archiving

High reliable robot

Automatic magazine calibration

Magazines with unique RFID

Supports unique IDs for discs

Internal high performance buffer module (optional)

Internal library controller (optional)

Supports archive grade discs/drives

## Standard Configuration

50x Standard 35 disc magazines

2x (up to 12x) Drives (enterprise level optional)

1x Product brochures, user manuals, power cord

1x Built-in server (optional)

## Magazines

Ergonomic design for easy access

Patented design

Fully compatible with the whole HIT archive series including the offline rack for magazines

Stores up to 35 discs

Flexible replacement

Double lock to ensure disc safety

Dual RFID tags

## Technical Details

| | |
|---|---|
| Number of media & cartridges | 1750 / 50 |
| Storage capacity | 43.7TB / 87.5TB / 175 TB (BDSL / BDDL / BDTL) |
| Number of drives / Average disc loading time | 12 (max.) / < 10s (Average) |
| Disc formats | CD, DVD-ROM / -R (DL) / -RW / -RAM, BD-R / -RE, BDSL, BDDL, BDTL, BDQL |
| MSBF / Ports | > 2,5 Mio / LAN, Mini SAS, SATA |
| Max. Power consuption | 800W (excl. NAS-Server) / 1200W (incl. Server) |
| Dimensions (W×H×D) | 600 x 1950 x 1070mm |
| Weight | 315Kg (incl. media and magazines) |

# HIT HMS P1 - die PetaByte Library

## High Volume Optical Archive Library

NETZON optical storage libraries are reliable near line mass storage archiving devices using optical Blu-ray discs. A library consists of a industry rugged robot, optical discs and lockable magazines and an number of optical Blu-ray drives for writing and reading data. The whole system can be used as total storage pool for near line data storage, backups and archiving. Currently, the HMS optical disc library series include: HMS 1035, HMS 2105, HMS 3350, HMS 3560, HMS 5175 with 35, 105, 350, 560, 1750 and 10368 media per Unit.

The HMS P1 optical library, which is part of NETZON HMS series, provides the largest storage capacity. With 10368 Blu-ray media in one library, the usable storage capacity is 1 PB depending on the media type. HMS P1 has several improvements compared to the smaller library models: build-in high performance buffer, powerful built-in controller (optional), industry rugged mechanical structure, robot and power supplies, upgraded Blu-ray drive supports up to 16 drives which can be used simultaneously by concurrent tasks to burn the maximum concurrent bandwidth of 280MB/s, in order to meet the growing big data archiving and backup needs.

## Main features of HMS P1

Up to 10368 discs (CD/DVD/BD)

864 removable disc cartridges

Up to 16 simultaneous drives

High reliable robot

Automatic cartridge calibration

Cartridges with unique RFID

Supports unique IDs for discs

Internal high performance buffer module (optional)

Internal library controller (optional)

Supports archive grade discs/drives

## Standard Configuration

1x LCD Display

864x Standard 12 disc cartridges

2x (up to 16x) Drives (enterprise level optional)

1x Product brochures, user manuals, power cord

1x Built-in server (optional)

## Cartridge

Ergonomic design for easy access

Patented design

Fully compatible with NETZON library and offline library

Stores up to 12 discs

Flexible replacement

Double lock to ensure disc safety

## Technical Details

| Number of media & cartridges | 10368 / 864 |
|---|---|
| Storage capacity | 259 TB / 518 TB / 1036 TB (BDSL / BDDL / BDTL) |
| Number of drives / Average disc loading time | 16 (max.) / < 10s (Average) |
| Disc formats | CD, DVD-ROM / -R (DL) / -RW / -RAM, BD-R / -RE, BDSL, BDDL, BDTL, BDQL |
| MSBF / Ports | > 2,5 Mio / LAN, Mini SAS, SATA |
| Max. Power consuption | 800W (without controller) / 1200W (with controller) |
| Dimensions (W×H×D) | ca. 800 x 1950 x 1070mm |
| Weight | 1100Kg (media and magazines included) |