

# DiskStation DS124



**Brand:** Synology  
**Product Code:** DS114  
**Availability:** 10  
**Weight:** 0.70kg  
**Dimensions:** 166.00mm x 71.00mm x 224.00mm  
**Call for Price:**

## Short Description

Synology 1-Bay DiskStation DS124 (Diskless)

## Description

**Take command of your most important data**



**Secure private cloud**

Anywhere, anytime secure access to all your data.



**Data sharing made easy**

Streamline teamwork and access to shared files.



## **Hassle-free backups**

Effortlessly protect files using intuitive tools.

## **Productivity in the private cloud**

DS124 is designed for professionals to share, sync, and work together more efficiently.

## **Anytime, anywhere access**

Access, manage, and share your files and media from anywhere with Synology Drive. Available on PC, Mac, Linux, Chromebook, Android, iOS, or any device equipped with a browser.



## **Intelligent backup and syncing**

Safeguard against ransomware attacks or accidental deletion with real-time or scheduled

folder backups. Reduce local storage use with on-demand sync, only downloading files as needed.



### **Seamless cloud syncing**

Synchronize files between your DS124 and public cloud services using Synology Cloud Sync. Retain local backup copies of data stored on Google Drive, Dropbox, Microsoft OneDrive, and more, and ensure data ownership.



Automatically keep data synchronized between Synology systems in different locations with Synology Drive ShareSync to improve cross-site workflows.



## **Store, share, and protect**

Use your DS124 to manage all your documents, photos, and other files, or protect your physical assets with professional video surveillance.

## **Photo management**

Manage your photo collection

Organize your photos and videos with smart and intuitive features. Browse automatically generated albums using facial recognition, geolocation, tags, and more.

Sharing made safer and easier

Securely share media with others while leveraging enhanced privacy features for greater peace of mind. Create a Shared Space to work together with invitees using a folder-based media library.



## Wide compatibility

Choose from over 8,300 IP cameras or ONVIF devices compatible with Synology Surveillance Station to keep your premises secure.<sup>1</sup>

## Universal access

Watch live camera streams through web browsers, desktop clients, or mobile apps. Get notified of events and take immediate action.



## **Add an extra layer of protection**

Perform full Synology system backups

Back up your entire Synology device, including system settings and applications, or select specific folders. Transfer all backup data to multiple destinations using Hyper Backup.<sup>2</sup>

## Keep your data safe with snapshots

Take your data protection to the next level by creating automatic point-in-time snapshots of shared folders that can be copied off-site and rapidly restored using Snapshot Replication.





## Software

### DSM Specifications

|                                    |  |  |
|------------------------------------|--|--|
| <a href="#">Storage Management</a> | Maximum Single Volume Size                 | 108 TB   |
|                                    | Maximum Internal Volume Number             | 1  |
|                                    | SSD TRIM                                   |  |
|                                    | Supported RAID Type                        | <ul style="list-style-type: none"><li>• Basic</li></ul>  |
|                                    | Notes                                      | <ul style="list-style-type: none"><li>• Usable capacity for each volume will be lower than the maximum volume size and is dependent on the filesystem and the amount of system metadata stored.</li><li>• Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration.</li></ul> |
| <a href="#">File System</a>        | Internal Drives                            | <ul style="list-style-type: none"><li>• Btrfs</li><li>• ext4</li></ul>   |
|                                    | External Drives                            | <ul style="list-style-type: none"><li>• Btrfs</li><li>• ext4</li><li>• ext3</li><li>• FAT</li><li>• NTFS</li><li>• HFS+</li><li>• exFAT</li></ul>  |
| <a href="#">File Services</a>      | File Protocol                              | <ul style="list-style-type: none"><li>• SMB</li><li>• AFP</li><li>• NFS</li><li>• FTP</li><li>• WebDAV</li><li>• Rsync</li></ul>   |
|                                    | Maximum Concurrent SMB/AFP/FTP Connections | 200  |
|                                    | Windows Access Control List (ACL)          |  |
|                                    | Integration                                |  |

NFS Kerberos  
Authentication  
Notes

The testing standard was based on the maximum number of concurrent connections supported by this model. During the testing, 25% of the connections were used to transfer files concurrently. The transfer process guaranteed that the connections were not interrupted; the minimum transfer speed was not guaranteed.

[Account & Shared Folder](#)

Maximum Local User 1,024

Accounts

Maximum Local 256

Groups

Maximum Shared 256

Folder

Maximum Shared 4

Folder Sync Tasks

[Hyper Backup](#)

Data & Folder

Backup

[Log Center](#)

Syslog Events per Second 400

[General Specifications](#)

Supported Protocols SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, CalDAV

Supported Browsers

- Chrome
- Firefox
- Edge
- Safari

Supported Language English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ???, ????

Notes For an updated list of supported browser versions, check the [DSM Technical Specifications](#).

Add-on Packages [view the complete package list](#)

[Synology Chat](#)

Download Station Maximum Concurrent 80

|                                      |  |   |
|--------------------------------------|--|---|
|                                      | Download Tasks                                     |   |
| <a href="#">SAN Manager</a>          | Maximum iSCSI Target Number                        | 10  |
|                                      | Maximum LUN  | 10  |
|                                      | LUN Clone/Snapshot, Windows ODX                    |   |
| <a href="#">Media Server</a>         | DLNA Compliance                                    |   |
| <a href="#">Synology Photos</a>      | Facial Recognition                                 |   |
| <a href="#">Snapshot Replication</a> | Maximum Snapshots per Shared Folder                | 256   |
|                                      | Maximum of System Snapshots                        | 4,096   |
| <a href="#">Surveillance Station</a> | Default Licenses                                   | 2 ( <a href="#">Additional cameras require purchase of licenses</a> )   |
|                                      | Suggested Maximum IP Cameras and Total FPS (H.264) | <ul style="list-style-type: none"> <li>• 720p: 12 channels, 360 FPS</li> <li>• 1080p: 12 channels, 300 FPS</li> <li>• 3M: 12 channels, 200 FPS</li> <li>• 5M: 12 channels, 140 FPS</li> <li>• 4K: 9 channels, 90 FPS</li> </ul>   |
|                                      | Suggested Maximum IP Cameras and Total FPS (H.265) | <ul style="list-style-type: none"> <li>• 720p: 12 channels, 360 FPS</li> <li>• 1080p: 12 channels, 360 FPS</li> <li>• 3M: 12 channels, 240 FPS</li> <li>• 5M: 12 channels, 200 FPS</li> <li>• 4K: 12 channels, 140 FPS</li> </ul>   |
|                                      | Notes  | <ul style="list-style-type: none"> <li>• Performance figures are obtained from testing conducted with the device fully populated with drives, with their default memory configuration, and under a continuous recording setup. Actual system capabilities may vary based on configuration, drive performance, enabled features, and the presence of additional workloads.</li> <li>• Use <a href="#">NVR Selector</a> to quickly find a suitable model based on your requirements.</li> <li>• The maximum number of camera stream outputs is 2 times the suggested maximum number of IP cameras.</li> </ul> |
| <a href="#">Synology Drive</a>       | Recommended  | 200 (the number of connections that can be  |

|                                    |   |
|------------------------------------|---|
| Number of Concurrent Sync Clients  | maintained when the recommended number of hosted files was reached)   |
| Recommended Number of Hosted Files | 500,000 (applies to files indexed or hosted by <a href="#">Synology Drive</a> . For file access through other standard protocols, refer to the File Services section above)   |
| Notes                              | <ul style="list-style-type: none"> <li>Exceeding the recommended numbers above will not block application operations, but may result in longer response time.</li> <li>Btrfs file system and non-encrypted shared folders were used during the aforementioned testing.</li> </ul> |

### [Synology Office](#)

|                            |  |
|----------------------------|--|
| Suggested Maximum Users    | 500  |
| Suggested Concurrent Users | 200  |
| Notes                      | <ul style="list-style-type: none"> <li>Multiple files were opened for testing and each file was edited by 30 users simultaneously.</li> <li>Client performance may affect maximum simultaneous editing users. Client PCs used for testing: Intel Core i3-3220 / 8GB RAM</li> </ul> |

### [VPN Server](#)

|                     |    |
|---------------------|----|
| Maximum Connections | 20 |
|---------------------|----|

### Specification

| NAS                         |   |
|-----------------------------|---|
| Compatible Drive Type       | 3.5 / 2.5 SATA - SSD                            |
| CPU Architecture            | 64-bit  |
| CPU Core                    | 4   |
| CPU Frequency               | 1.7 GHz   |
| CPU Model                   | Realtek RTD1619B                                |
| CPU Quantity                | 1   |
| Drive Bays                  | 1   |
| Hardware Encryption Engine  | YES   |
| Memory                      | 1 GB DDR4 non-ECC                               |
| Power Supply Unit / Adapter | 36 watts 100V to 240V AC 50/60 Hz, Single Phase |

|                     |                       |
|---------------------|-----------------------|
| RJ-45 1GbE LAN Port | 1                     |
| System Fan          | 60 mm x 60 mm x 1 pcs |
| USB 3.2 Gen 1 Port  | 2                     |

## Product Gallery

