

# DiskStation

# DS218play



Synology DiskStation DS218play is a feature rich, two-bay tower equipped with a 64-bit quad-core processor. Featuring powerful multimedia processing capabilities, DS218play supports real-time transcoding of 4K Ultra HD source content, and is perfect for multimedia streaming and file sharing for home users. Synology DS218play is backed by Synology's 2-year limited warranty.

## 4K Ultra HD Entertainment Center

Synology DS218play is a multimedia-optimized 2-bay network attached storage solution equipped with a 64-bit quad-core 1.4 GHz processor and 1 GB RAM, delivering sequential reading throughput at over 112 MB/s and writing throughput at over 112 MB/s under RAID 1 configuration. An encrypted sequential data transmission at over 112 MB/s reading and 112 MB/s writing<sup>1</sup>. DS218play further supports real-time 4K Ultra HD (4096 x 2160) video transcoding, bringing of up to 10bit, H.265 (HEVC) content<sup>2</sup>.

## Personal Multimedia Library

DS218play helps you easily manage your multimedia content and share them across Windows, Mac®, and Linux® platforms. With **Video Station**, you can easily organize and sort your personal digital video library with comprehensive media information and watch 4K Ultra HD movies and films. **Photo Station** allows you to effortlessly organize photos into customized categories, smart albums and blog posts, and link them to social networking websites within a few clicks. **Audio Station** comes with Internet radio and lossless audio format support, and is capable of music playback via DLNA or AirPlay-compliant devices.

## Highlights

- 2-bay NAS with optimal multimedia solution for home users
- 4K video transcoding on the fly with 10 bit H.265 codec support<sup>2</sup>
- Up to 112 MB/s and 112 MB/s sequential reading and writing throughput, respectively.<sup>1</sup>
- Over 112 MB/s encrypted sequential reading throughput and 112 MB/s encrypted sequential writing throughput<sup>1</sup>
- Powered by a 64-bit 1.4 GHz quad-core processor with 1 GB DDR4 RAM
- Supports a single volume of over 20TB raw capacity
- Supports up to 15 IP cameras

## Cross-Platform File Sharing and Data Synchronization

Synology DS218play supports comprehensive network protocols, ensuring a seamless file sharing experience across Windows®, Mac®, and Linux® platforms. **Windows AD** and **LDAP** integration allow DS218play to fit quickly and effortlessly into any existing network environment without the necessity to recreate user accounts. **Cloud Sync** keeps your Dropbox, Google™ Drive, Microsoft OneDrive, Baidu and Box storages in sync with your personal DiskStation at home. The **Cloud Station Suite** allows you to sync files among multiple devices — Windows PC, Mac, Linux, iOS or Android™ tablets/phones — effortlessly keeping everything up-to-date. DS218play combines seamless file sharing capability with hardened security, even over the internet with HTTPS, built-in firewall, and multiple IP and account intrusion auto-blocking mechanisms.

## Easy Backup Solutions

With block-level incremental backup and cross-version deduplication, Synology **Hyper Backup** provides multi-version backup with optimized storage utilization and allows data backup to multiple destinations—local shared folders, external hard drives, network shared folders, rsync servers, and public cloud services.

## Anywhere/Anytime Availability

Synology provides mobile applications that allow you to enjoy your multimedia library even when on the go. Available on iOS, Android™ and Windows Phone® platforms, **DS photo**, **DS audio**, **DS video**, and **DS file** enable access to your Synology NAS through Photo Station, Audio Station, Video Station, and File Station. What's more, you can use **DS get** to remotely manage and monitor download tasks on Download Station.

**QuickConnect** allows you to connect via a simple customizable address so that you can instantly access media and work files on any Windows/Mac/Linux computer, laptop, or mobile device.

## Energy Efficient with Cool and Quiet Design

Synology DS218play is designed with energy efficiency in mind. Compared with its average PC counterpart, Synology DS218play consumes relatively little power at **16.79 watts** when accessed and **5.16 watts** when hard drive hibernation is enabled. The scheduled power on/off feature further reduces power consumption and long term operation costs.



### 4K Ultra HD multimedia library

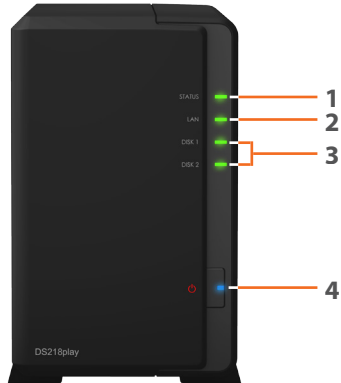
Real-time H.265 4K video transcoding provides hassle-free and high-quality video playback among various devices.



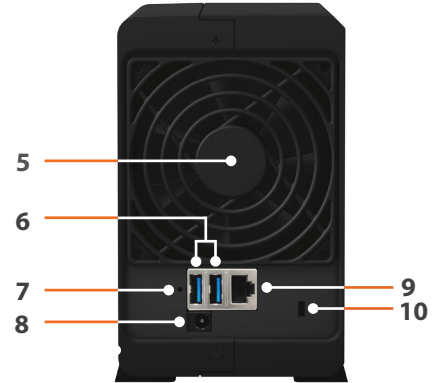
Synology DS218play can serve as a centralized backup destination, allowing you to back up files from multiple devices via Cloud Station Backup.

## Hardware Overview

Front



Rear



1	Status indicator	2	LAN indicator	3	Drive status indicator	4	Power button and indicator
5	Fan	6	USB 3.0 port	7	Reset button	8	Power port
9	1GbE RJ-45 port	10	Kensington Security Slot				

## Technical Specifications

### Hardware

CPU	Realtek RTD1296 quad-core 1.4GHz
Hardware encryption engine	Yes
Hardware transcoding engine	Yes; Supported codec: MPEG-4 Part 2 (XVID, DIVX5), MPEG-2, VC-1, 10-bit H.265 (HEVC); maximum resolution: 4K (4096 x 2160); maximum frame rate per second (FPS): 30
Memory	1 GB DDR4
Compatible drive type	2 x 3.5" or 2.5" SATA SSD / HDD (drives not included)
External port	2 x USB 3.0 port
Size (HxWxD)	165 x 100 x 225.5 mm
Weight	0.87 kg
LAN	Gigabit (RJ-45) x 1
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fan	92 x 92 x 25mm
AC input power voltage	100V to 240V AC
Power frequency	50/60Hz, single phase
Operating temperature	5°C to 40°C (40°F to 104°F)
Storage temperature	-20°C to 60°C (-5°F to 140°F)
Relative humidity	5% to 95% RH
Maximum operating altitude	5,000 m (16,400 ft)

## General DSM Specification

Networking protocol	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP)
File system	<ul style="list-style-type: none"> <li>Internal: ext4</li> <li>External: ext4, ext3, FAT, NTFS, HFS+, exFAT<sup>3</sup></li> </ul>
Supported RAID type	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1
Storage management	<ul style="list-style-type: none"> <li>Maximum internal volume: 256</li> <li>Maximum iSCSI target: 10</li> <li>Maximum iSCSI LUN: 10</li> <li>iSCSI LUN clone/snapshot support</li> </ul>
File sharing capability	<ul style="list-style-type: none"> <li>Maximum local user account: 2,048</li> <li>Maximum local group: 256</li> <li>Maximum shared folder: 256</li> <li>Maximum concurrent SMB/NFS/AFP/FTP connection: 200</li> </ul>
Privilege	Windows Access Control List (ACL), application privilege
Directory service	Windows® AD integration: Domain users login via SMB/NFS/AFP/FTP/File Station, LDAP integration
Security	Firewall, Encryption shared folder, SMB encryption, FTP over SSL/TLS, SFTP, Rsync over SSH, Login auto block, Let's Encrypt support, HTTPS (Customizable cipher suite)
Supported client	Windows 7 and 10, Mac OS X 10.11 onwards
Supported browser	Chrome®, Firefox®, Internet Explorer® 10 onwards, Safari® 10 onwards; Safari (iOS 10 onwards), Chrome (Android™ 6.0 onwards)
Interface Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

## Packages and Applications

File Station	Virtual drive, remote folder, Windows ACL editor, compressing/extracting archived files, bandwidth control for specific users or groups, creating sharing links, transfer logs
FTP Server	Bandwidth control for TCP connections, custom FTP passive port range, anonymous FTP, FTP SSL/TLS and SFTP protocol, boot over the network with TFTP and PXE support, transfer logs
Universal Search	Offer global search into applications and files
Hyper Backup	Support local backup, network backup, and backup data to public clouds
Backup tool	DSM configuration backup, macOS Time Machine support, Cloud Station Backup Shared folder sync - maximum task number: 4
Cloud Station Suite	Sync your data between multiple platforms by installing the client utilities on Windows, Mac, Linux, Android and iOS devices, while retaining up to 32 historical versions of files Maximum concurrent file transfer: 200
Cloud Sync	One or two-way synchronization with public cloud storage providers including Amazon Drive, Amazon S3-compatible storage, Baidu cloud, Box, Dropbox, Google Cloud Storage, Google Drive, hubiC, MegaDisk, Microsoft OneDrive, OpenStack Swift-compatible storage, WebDAV servers, Yandex Disk
Surveillance Station	Maximum IP camera: 15 (total of 450 FPS at 720p, H.264) (Includes two free camera licenses; additional cameras require the purchasing of additional licenses)
VPN Server	Maximum connection: 15, supported VPN protocol: PPTP, OpenVPN™, L2TP/IPSec
Mail Server	Supported Mail Server Protocols: POP3, SMTP, IMAP, Support LDAP/AD account
Mail Station	Webmail interface for Mail Server to receive emails from multiple POP3 mailboxes, customizable SMTP server
Collaboration Suite	<ul style="list-style-type: none"> <li>Chat maximum user: 500</li> <li>Office maximum user: 100, maximum simultaneous editing user: 30</li> <li>Calendar: support CalDAV and access via mobile devices</li> </ul>
Note Station	Rich-text note organization and versioning, encryption, sharing, media embedding and attachments
Storage Analyzer	Volume and quota usage, total size of files, volume usage and trends based on past usage, size of shared folders, largest/most/least frequently modified files
Security Advisor	Malware detection/removal, user account/password, network, system-related security scan
Antivirus Essential	Full system scan, scheduled scan, white list customization, virus definition auto update
Download Station	Supported download protocols: BT, HTTP, FTP, NZB, eMule, Thunder, FlashGet, QQDL Maximum concurrent download task: 50
Web Station	Virtual host (up to 30 websites), PHP / MariaDB®, third-party applications support

Other packages	Video Station, Photo Station, Audio Station, DNS Server, RADIUS Server, iTunes® Server, Log Center, third-party packages available on Package Center
iOS/Android™ applications	DS audio, DS cam, DS cloud, DS file, DS finder, DS get, DS note, DS photo, DS video
Windows Phone® applications	DS audio, DS file, DS finder, DS get, DS photo, DS video

## Environment and Packaging

Environment safety	RoHS compliant
Package content	<ul style="list-style-type: none"> <li>• DS218play main unit x 1</li> <li>• Quick Installation Guide x 1</li> <li>• Accessory pack x 1</li> <li>• AC power adapter x 1</li> <li>• RJ-45 LAN cable x 1</li> </ul>
Optional accessories	<ul style="list-style-type: none"> <li>• Synology VS360HD</li> <li>• Surveillance Device License Pack</li> </ul>
Warranty	2 years

\*Model specifications are subject to change without notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

1. Performance figures may vary depending on environment, usage, and configuration.
2. DS218play can transcode 4K video to 1080p or lower. The maximum number of concurrent video transcoding channels supported may vary depending on the video codec, resolution, bitrate and FPS.
3. exFAT Access is purchased separately in Package Center.

## SYNOLOGY INC.

Synology is dedicated to taking full advantage of the latest technologies to bring businesses and home users reliable and affordable ways to centralize data storage, simplify data backup, share and sync files across different platforms, and access data on-the-go. Synology aims to deliver products with forward-thinking features and the best in class customer services.

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