



**Dynamic Solutions**  
INTERNATIONAL

"Protecting the World's Information"



# DSI540 Appliance Series

## Experience You Can Trust

Protecting the world's information is our mission. Offering 45+ years of experience in data protection solutions and expertise in both disk and tape technologies, DSI meets the needs of IT professionals worldwide. DSI offers optimized solutions for data backup, recovery, and archiving. DSI has award winning designs, patented technologies, superior reliability, first class service, and a variety of solutions customized to meet your needs.

## Maximize Use of Valuable Resources

The DSI540 is designed to help you keep pace with your rapidly expanding business by utilizing state-of-the-art deduplication for your backup systems. There is no disruption as your capacity or performance needs change...simply add a license to your existing solution. Designed with growth in mind, the entire DSI540 Series can increase its storage capacity via 1TB repository licensing increments. There is no need to purchase more backup capacity than you need.

## Protect Your Investment

Data security is imperative when building a backup and disaster recovery solution. DSI utilizes the industry's top standards for at-rest and in-flight encryption to ensure that your data is never exposed to outside threats. The DSI540 ships standard with in-flight and at-rest encryption so your data is protected every step of the way.

## Maximize Your Data Center Efficiency

Data centers worldwide face the challenge of business critical data growing exponentially. DSI deduplicating backup systems provide scalable solutions that reduce power, management and space requirements. The DSI540 Series deduplication is designed for efficiency and allows your business to focus on growth without the worry of data management.

## Cloud Export

The DSI540 Series now offers the ability to export and recover tape data directly to/from cloud object storage, from Microsoft Azure or Amazon Web Services (S3).

## Component Description for DSI540

DSI540-D04: Base Unit for deduplication VTL capable of supporting from 4 - 40TBs\* of backup capacity.

DSI540-D12: Base Unit for deduplication VTL capable of supporting from 4 - 120TBs\* of backup capacity.

DSI540-D24: Base Unit for deduplication VTL capable of supporting from 4 - 240TBs\* of backup capacity.

DSI540-D48: Base Unit for deduplication VTL capable of supporting from 4 - 480TBs\* of backup capacity.

\*See configuration table for details.

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OF-THE-ART  
DEDUPLICATION.

**UNISYS**

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Model	DSI540-D04	DSI540-D12	DSI540-D24	DSI540-D48
Storage	8 x 1.2TB SED drives 4-40TB logical capacity*	8 x 4TB SED drives 4-120TB logical capacity*	12 x 4TB SED drives 4-240TB logical capacity*	12 x 8TB SED drives 4-480TB logical capacity*
Raid Level	6	6+1	6+1	6+1
Processor Type	1 x Xeon 4110	2 x Xeon 4114	2 x Xeon 4114	2 x Xeon 4114
Memory	32GB	64GB	96GB	192GB
Interfaces	2 x 16GB FC Ports	4 x 16GB FC Ports (+2 option)	4 x 16Gb FC ports (+2 option)	6 x 16Gb FC ports
Power Supply	2 x 550W (N+1) Hot Swap	2 x 1100W (N+1) Hot Swap	2 x 1100W (N+1) Hot Swap	2 x 1100W (N+1) Hot Swap
Power Requirements	100-240 V AC (6.5 A-3 A)	100-240 V AC (12 A-6.5 A)	100-240 V AC (12 A-6.5 A)	100-240 V AC (12 A-6.5 A)
Physical Dimensions	482.0 mm (18.98") x 642.31 mm (25.28") x 42.8 mm (1.7")	482.0 mm (18.98") x 714.64 mm (28.13") x 86.8 mm (3.42")	482.0 mm (18.98") x 714.64 mm (28.13") x 86.8 mm (3.42")	482.0 mm (18.98") x 714.64 mm (28.13") x 86.8 mm (3.42")
Form Factor	1U	2U	2U	2U
Weight	15.2 kg (33.51 lb.)	28.6 kg (63.05 lb.)	28.6 kg (63.05 lb.)	28.6 kg (63.05 lb.)
Operating Temperature	5°C to 40°C (41°F to 104°F)	10°C to 35°C (50°F to 95°F)	10°C to 35°C (50°F to 95°F)	10°C to 35°C (50°F to 95°F)
Cooling Requirements	2559 BTU/hr.	4100 BTU/hr.	4100 BTU/hr.	4100 BTU/hr.
Operating Humidity	5% to 85% relative humidity	10% to 80% relative humidity	10% to 80% relative humidity	10% to 80% relative humidity
Max Virtual Libraries	128	128	128	128
Max Virtual Tape Drives	256	1,024	1,024	1,024
Max Virtual Tape Cartridges**	64,000	64,000	64,000	64,000
Deduplication	Included	Included	Included	Included
Backend Physical Tape Support	Included	Included	Included	Included
Replication	Option	Option	Option	Option
Tape Consolidation	Option	Option	Option	Option
Tape Encryption	Option	Option	Option	Option
SAS Tape Interface	Option	Option	Option	Option
Cloud export	Option	Option	Option	Option
10Gb Network	RJ45 standard, SFP+ Option	RJ45 standard, SFP+ Option	RJ45 standard, SFP+ Option	RJ45 standard, SFP+ Option

\* Maximum logical capacity is dependent upon host platform type

\*\* Maximum virtual tape cartridges varies by configuration

Visit us at [DynamicSolutions.com](http://DynamicSolutions.com) or call **303.754.2088** to speak directly with a solutions architect.



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