

NESTO 36

designed for 4K editing



NESTO 36 is a storage solution designed for 4K video editing and collaborative workflows for most demanding environments.

Businesses today demands more powerful, reliable, and flexible storage than ever before. Traditional solutions can create massively complex storage islands that are often expensive, inefficient, and difficult to manage.

For professional quality video, speed and reliability are just starting points, delivering low latency, file-level access, consistent bandwidth and easy scalability are mandatory. Until now fulfilling these requirements at an acceptable cost was daunting if not impossible.

By contrast, NESTO 36 offers a solution that combines the flexibility of unified storage, the performance and efficiency of solid-state flash drives with the capacity of hard disks thanks to the openZFS file system and a white glove enterprise support.

NESTO 36 FEATURES

Hybrid Storage Pools

Solid-state performance at spinning-disk capacity and cost. NESTO NAS merges multi-layer non-volatile cache with high-density spinning disks. System RAM and flash memory are used to cache reads and writes while HDDs store the data resulting in an increased of performance and capacity scalability.

Self-Healing File System

Data is verified and repaired in the cache before it ever reaches the disks. Data degradation on the disks is identified and repaired, forever preserving data as the first day.

Snapshots & Replication

Out-of-the-box file version and restoration. Data is protected against unintentional alteration and can be bidirectionally replicated for backups or disaster recovery.

Thin and Thick Provisioning

Define multiple datasets and distribute free space dynaically using quotas or rather reserve space for each dataset.

Hot-swap & Dual Power Supplies

Hot-swap front-loading drive bays and redundant power supplies.

Scalability

The NESTO 36 series grows from dozens of GBs to a PB per system and is designed to make the increase in capacity painless.

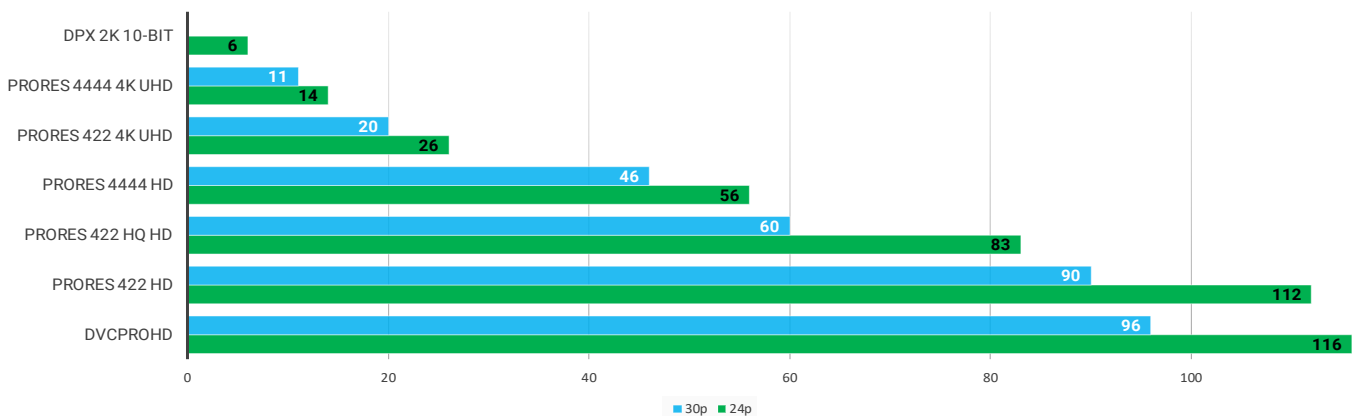
Web based Admin Software

Streamlined HTML Web interface that provides simple management of the system

Multiple storage services

A full range of file, block, and object protocols including NFS, CIFS/SMB, AFP, FTP, HTTP, WebDAV and Simple Storage Service (S3).

NESTO 36 PERFORMANCE - STREAM COUNT*



*Based on NESTO 36 configured with 36 SAS Enterprise HDD and 375GB boost cache. Higher count figures available with NESTO X24 units.



NESTO 36 SPECIFICATIONS

HARDWARE SYSTEM

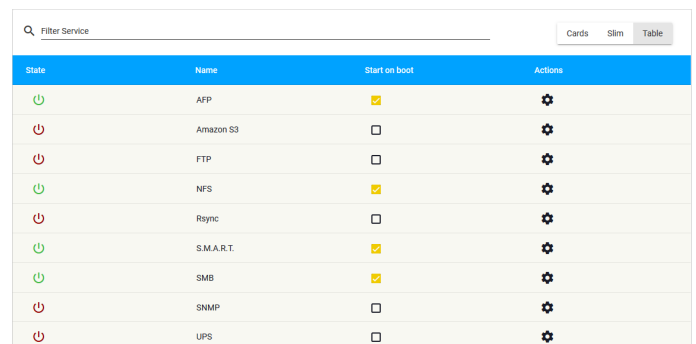
Processors	Intel® Xeon® E5, 16 cores @3.2GHz
Cache	128GB to 1TB
Boost Cache	up to 1.5 TB (Optional)
OS boot	2 x 64GB mirrored Solid State
LAN Interface	2 x or 4 x 10Gbps SFP+, 2 x 1Gbps
IPMI	IPMI 2.0 with virtual media over LAN
Other Ports	2 x USB front, 2 x USB rear and 1 x VGA
Expansion ports	2 or 4 x 12 Gbps SAS ports
Capacity	160 TB to 1.3 PB RAW, 128 TB to 1PB effective in RAID 60.
Disk trays	36 disk bays, expandable up to 108
RAID	0, 1, 10, 5, 6, 50, 60, RTP
Available drives	7.2k RPM: 2 TB, 6 TB, 8 TB, 10 and 12 TB 10k RPM: 600 GB, 900 GB, 1.2 TB & 1.8 TB 15k RPM: 300 GB, 450 GB, and 600 GB SSD: 250GB/400GB/500GB/800GB/1TB/ 1.6TB/1.92TB
Disk Management	Hot-Swappable drives Bad Block Scan + HDD S.M.A.R.T. Enclosure Monitoring and Alert LEDs
Power Supplies	Dual redundant hot-swappable 800W
AC Input	100-240 V, 47-63 Hz, 8.8-3.6 Amp
Power Management	UPS Signal Response and Alerts and Remote power-on/off
Dimensions HxWxD	7"x17.6"x26.6" (178mmx448mmx675mm)
Certifications	CE, FCC and RoHS Compliant
Operating Temp.	10°C to 35°C (50°F to 95°F)
Operating RH.	30% to 90%

FILE SYSTEM

Data preservation	Self-healing file system
Enhanced performance	In-line deduplication Intelligent in-line compression
Data protection	Snapshots and clones
Scalability	Online capacity expansion
Provisioning	Thin and Thin provisioning

SERVICES

Shared File-based protocols	CIFSv1, SMBv2/v3, NFSv3/v4, AFP, FTP and WebDAV
Block-Based protocols	iSCSI and Optional Fibre Channel
Object-Based protocols	S3-Compatible REST API
Directory Services	Active Directory (AD), Kerberos, LDAP, Apple Open Directory, and NIS
Networking	Port Trunking/NIC Teaming and IEEE 802.3ad Link Aggregation VLAN Support DHCP Client and Server
Local protection	Snapshots and clones
Data Replication	Bidirectional remote replication between NESTO Rsync with third-party systems



State	Name	Start on boot	Actions
🟢	AFP	<input checked="" type="checkbox"/>	⚙️
🔴	Amazon S3	<input type="checkbox"/>	⚙️
🔴	FTP	<input type="checkbox"/>	⚙️
🟢	NFS	<input checked="" type="checkbox"/>	⚙️
🔴	Rsync	<input type="checkbox"/>	⚙️
🟢	S.M.A.R.T.	<input checked="" type="checkbox"/>	⚙️
🟢	SMB	<input checked="" type="checkbox"/>	⚙️
🔴	SNMP	<input type="checkbox"/>	⚙️
🔴	UPS	<input type="checkbox"/>	⚙️

MANAGEMENT

User Interface	HTTP/HTTPS Web Interface
Monitoring	SNMP server/MIB E-mail Alerts Resource Monitor Log and Event Collection Remote Syslog Client
Remote interface	Remote management over LAN
Settings	Network services File system services Backup & Restore System