DEPENDAPLE & POWERFUL SHARED STORAGE FOR VIDEO PRODUCTION

THE HEART OF YOUR WORKFLOW

www.nastar.dk

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NASTAR
By Stjernholm

NASTAR
ARCHIVE

NASTAR THE STORY

NASTAR has been under development for 3 years to create the optimum cost-effective solution for video editing and archiving with applications such as Final Cut X, Adobe Premiere, After Effects, Davinci Resolve, Maya, Nuke, Smoke and many others, on both Mac and Windows. NASTAR is a cutting edge solution providing rock solid performance, instant scalability and stability, previously unheard of in this price range. Do you want value for money without compromise? NASTAR is the modern, safe and innovative solution!

NASTAR combines the worlds most advanced filesystem with extreme network performance, easy webbased administration, and not least up to 20% better space utilization.

NASTAR THE KEY POINTS

Expand the capacity - without downtime!
Begin with as little as 6 drives and expand gradually as the need for extra capacity emerges. Expansion is totally dynamic and available to users instantly with no downtime. NASTAR scales up to 1 Petabyte (double that in the archive model), thus accommodating even the largest video production facilitys needs. Spend the money when you need to, by growing according to need, at the time of need, without costly migrations of giant data pools. The growth scheme of NASTAR will save you money and time, as well as give you ease of mind, knowing that expansion is something that can be done in a few minuttes.
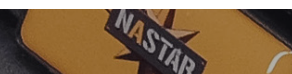
Superior response and video performance
Working on a NASTAR feels just like working on fast local storage, as you are working directly from a very large ram buffer. By utilizing superior 10GbE technology you will experience all the benefits of a true shared workflow, with the performance of local attached storage. NASTAR uses a simple ethernet infrastructure that eliminates all the complexity and possible sources of errors. You can connect up to 12 10GbE enabled clients directly to NASTAR for the ultimate high-speed connectivity, or share the bandwidth via a 10GbE switch to even more clients. More 10GbE connectivity can be added to NASTAR as your needs grow.

Enterprise quality
The potent ZFS filesystem with end-to-end checksumming of data and industrial enterprise grade hardware and drives, ensures a rock-solid solution. All components in the NASTAR are tested during a long burn-in period, to eliminate potential errors. The money are used where they benefit the stability and performance the most.

Support
Every NASTAR comes with a mandatory 1 year hardware and software support with 48 hours hardware replacement service (3 years included for NASTAR Archive!) The support agreement can be extended with up to 3 additional years.
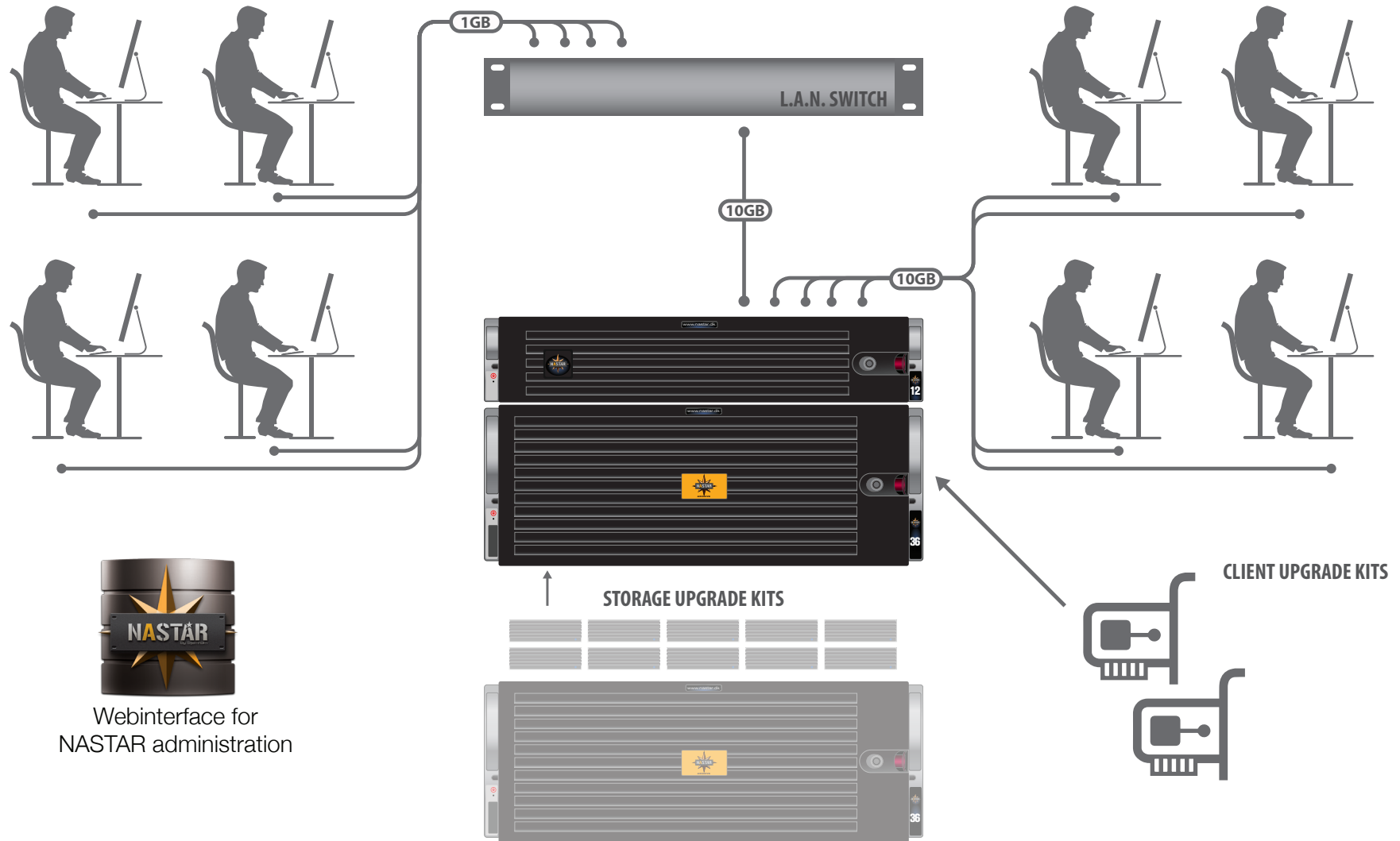
NASTAR WORKFLOW

Lighter desktop apps, still graphics and administration workflows

Processor intensive tasks and data heavy workflows, colorgrading and video editing

1GB

L.A.N. SWITCH

10GB

10GB

Webinterface for
NASTAR administration

STORAGE UPGRADE KITS

CLIENT UPGRADE KITS

NASTAR VERSIONS

	NASTAR 12	NASTAR 36	Archive 12	Archive 36
Number of drives in standard solution	12 drive system standard (Up to 96TB Raw without optional expansion)*	36 drive system standard (Up to 288TB Raw without optional expansion)*	12 drive system standard (Up to 96TB RAW without optional expansion)**	36 drive system standard (Up to 288TB RAW without optional expansion)**
Cache	64GB	256GB	32GB	32GB
Connectivity	4x1GBe RJ45 Ethernet (standard) plus optional: up to 6 x Dual 10GbE up to 6 x Quad 1GbE (maximum 6 total)	4x1GBe RJ45 Ethernet (standard) plus optional: up to 6 x Dual 10GbE up to 6 x Quad 1GbE (maximum 6 total)	2x1GBe RJ45 Ethernet	4x1GBe RJ45 Ethernet
Redundant PSU	YES	YES	YES	YES
Maximum Capacity	Expands up to: 12 internal drives plus optional: 4 x JBOD (45 drives each) (192 drives possible in total)	Expands up to: 36 internal drives plus optional: 4 x JBOD (45 drives each) (216 drives possible in total)	Expands up to: 12 internal drives plus optional: 4 x JBOD (45 drives each) (192 drives possible in total)	Expands up to: 36 internal drives plus optional: 4 x JBOD (45 drives each) (216 drives possible in total)
Mandatory Support & software maintenence	1 year***	1 year***	3 years	3 years

*Raw capacity depends on drive size.   **Archive drives are not intended for other use than archiving!
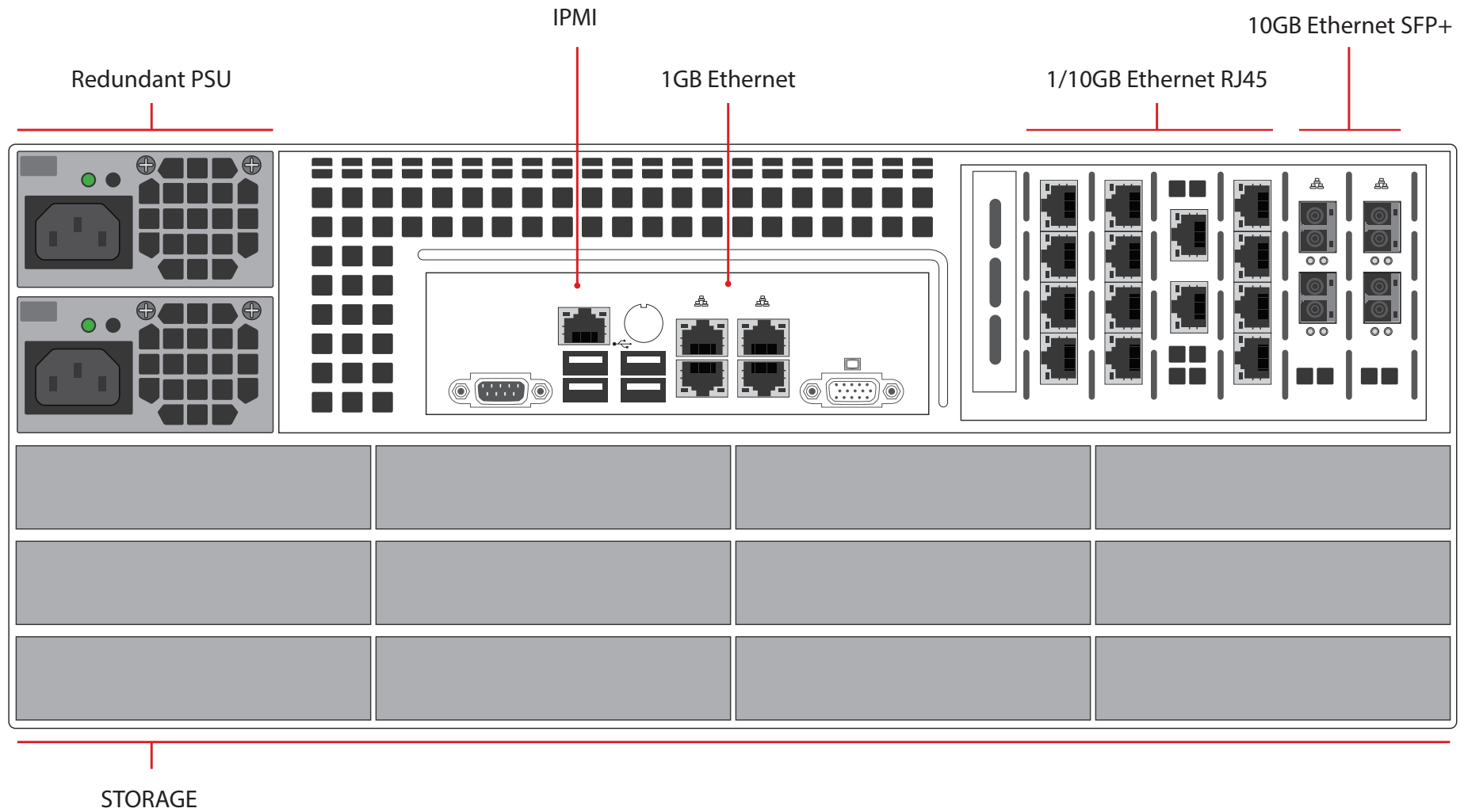***renewal offered every year for continued support and software maintenence

Filesharing
✔ High Performance
✔ AFP
✔ SMB ll/CIFS
✔ NFS

Directory Support
✔ Open Directory (Apple)
✔ Active Directory (Microsoft)
✔ Active Directory Server

ZFS
✔ Dynamic Capacity Expansion
✔ End-to-end data integrity
✔ Checksumming all data
✔ Self-healing of any data corruption.
✔ Copy-on-Write (data is never changed on the original file)
✔ Snapshots
✔ ZFS send-recieve
✔ Block-level - Real Time compression (get up to 20% better storage utilisation)
✔ Data scrubbing
✔ S.M.A.R.T. drive monitoring

Backup Services for Clients
✔ Windows Backup
✔ Apple Time Machine
✔ Rsync
✔ Rsync over SSH
✔ Rsync via Rsync module (server)
✔ ZFS send-recieve to another NASTAR unit

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NASTAR REAR VIEW

Example konfiguration

IPMI

10GB Ethernet SFP+

Redundant PSU

1GB Ethernet

1/10GB Ethernet RJ45

STORAGE

NASTAR WHERE IS IT BEING USED?

NASTAR serves as shared videoproduction storage in many creative facilities throughout Scandinavia, but is also widely used for playout, ingest and other applications that requires extreme stability.

With the worlds most advanced filesystem, extreme performance, superb space utilisation, easy expandability, world class data integrity, built in snapshot and replication functions and much, much more - NASTAR is the obvious, easy to implement, cost efficient choice that will not let you or your data down.

Let the backbone of your business be a strong one.
NASTAR is battleproven in real life and supplied by people that knows and understand the special challenges of video production in shared environments - That is the recipe for success.

Here are some of your colleagues that depend on NASTAR:

M2 Film London
M2 Film
TVAarhus Playout centre
Jensen & Jensen
JA Film, Attention Film
Pegasus Production
Lindberg
Mjaalands
Larsen VFX

and many more…

Feel free to contact us for more information and a personalised quote
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