



Your Questions Answered

Q: Can Vizrt NRS work with the storage or MAM systems we already have in place, or does it require a full Vizrt ecosystem?

A: NRS' ShareBrowser MAM can index and generate proxies from any SMB or USB compatible storage you may already have, making it easy to migrate from stacks of drives on a shelf to a centralized searchable library. As MAM is a software layer around your storage, this is not cross compatible unless the system is an existing NRS or SNS Evo system, however the files on third party systems can be indexed and migrated to NRS.

Q: How does NRS handle access and performance for teams working from different geographic locations — especially with large video files?

A: NRS supports SNS Nomad for remote collaboration based on Proxy files (auto generated by the NRS when configured) through a customer's VPN (Virtual Private Network) service. Nomad workflows are akin to the traditional online/offline postproduction process, with re-conform as the final step. SNS offer Nomad VPN should your customer not have a VPN of their own, please ask us for more information.

Another approach to geographical workflows is utilizing NRS Slingshot support to synchronize files between NRS systems at each location, this could be NRS-D systems for smaller remote workgroups synchronizing to a larger NRS-8 or NRS-16 "HQ" at the main site for example.

Combining these workflows is also fully achievable. Please get in touch to discuss specific workflow requirements.

Q: If our content needs expand, or we add new production sites, how easily can NRS scale without major infrastructure changes?

A: NRS-8 and NRS-16 systems can be easily expanded with the NRS Expansion chassis. 1x expansion for NRS-8 or up to 4x expansions can be added to NRS-16 through SAS. Customers can then either create additional drive pools to simply increase capacity, or if a customer is happy to back content up off their NRS, a drive pool can be entirely rebuilt with the additional storage expansion(s) which not only increases capacity but can also provide increased performance.



Finally, NRS supports not just scaling of a single server, but adding additional NRS servers to a network can add whole new pools for different groups, which in turn can be selectively synchronized as needed for common media assets (i.e. branding material). The compute power of multiple NRS head servers can also be shared for faster proxy generation and transcoding jobs!

Q: Does NRS transcoding help us use NDI outside of Adobe Premiere?

A: 100% NRS can help. While NDI Record files (SpeedHQ .mov) are only supported by the NDI Adobe Premiere Plugin for PC, NRS Slingshot and ShareBrowser natively understands the codec, enabling auto generation of H.264 and Edit Ready proxies for all NLE systems, not only that but transcode to ProRes and other popular codecs can also be created through Watch Folder based transcoding.

NRS supports PC, Mac and Linux OS support via SMB shares and ShareBrowser MAM clients. ShareBrowser plugins are available for both Adobe Premiere and Blackmagic DaVinci Resolve for faster media management in edit, plus volume locking capability for these workflows as well as Final Cut Pro X and Avid bin locking emulation for Avid Media Composer users.

It's never been easier to take your Vizrt Live Production forward into post... and back again!

Q: Will there be any issue in adding to a customer's original SNS EVO system with the NRS for them to add storage?

A: Both Vizrt NRS and SNS Evo share the same underlying OS architecture, SMB sharing and ShareBrowser MAM and are fully cross compatible if the EVO is on the same update – customers should always be in active support to keep up to date!

Vizrt NRS brings NDI and SpeedHQ support for ingest, playout and index.

In addition, NRS frontline support is provided through Vizrt ProTek Ultra, with SNS providing second tier and beyond. This ensures Vizrt customers have a single point of contact from pre-production, through live and onward to post!

Q: Does the NDI Recording also work on the small desktop storages?

A: NRS' exclusive NDI ingest, and Playout support is offered on all NRS systems (except Expansions). Performance varies between models due to physical factors such as processor performance and drive count. More drives in RAID equals higher read/write performance. Please consult our pre-sales team with your workflow proposals as NDI Ingest performance will vary depending on your specific needs and system configuration, we are here to help!

Q: How do you connect to LTO, do you require an added system

A: NRS is fully compatible with LTO archive systems through Slingshot automation, via transfer and replication. Please get in touch to discuss further.

Q: For those of us building automations during productions, are there methods to ensure triggers are sent to the NRS for recording or playback to external sources, not just to the TriCaster?

A: Please see the Viz University NRS course for information on the TriCaster NRS macro triggers created by Kane or request the API documentation from us if needed. NRS can be automated independently, through or with TriCaster and the Vizrt product portfolio as needed.

Q: Are there any ambitions to expand the NDI plugin to include HX sources down the road? Being able to directly record NDI sources has been super useful, however not supporting HX codecs has historically required us to transcode them on a Bridge box. It hasn't been a tremendous hurdle but would love to see HX supported natively.

A: NRS' NDI ingest supports both **NDI High Bandwidth** and **NDI HX 2** ingest at HD and 4K resolutions. All recordings however are at NDI High Bandwidth specification, as NDI|HX2 is re-encoded for conformity. **At present NDI|HX3 is not supported** as this version is not supported by NDI®'s Linux SDK, but we hope to see it added in the future. Please consult our pre-sales teams with your specific workflow requirements so we can provide realistic real-world expectations when using NDI ingest on NRS.

Q: How would you compare this to the Blackmagic Cloud Pod model of content sharing?

A: Blackmagic's Cloud Pod is a great product, but Vizrt NRS has significant advantages such as:

- RAID disk pools up to RAID 6 – high read write performance, with the ability for up to 2x disks in any pool to fail before data is lost, plus rebuild on drive replacement.
- Redundant, replaceable power supplies, and replaceable RAID controller on NRS-8 and NRS-16 systems
- SAS Expansion for scalable growth.
- On premise and remote user support through ShareBrowser MAM and Nomad.
- Transcoding and automation Slingshot engine.
- Cloud synchronisation and back up.
- And did we mention NDI® native support?