

GV STRATUS Newsroom Bundles

June 2016



GV STRATUS Newsroom Bundles from Grass Valley, a Belden Brand, bring the power of GV STRATUS to smaller news operations. GV STRATUS delivers the full resources of the newsroom to the field, so that producers can get stories to air faster.



INGEST



BROWSE



EDIT



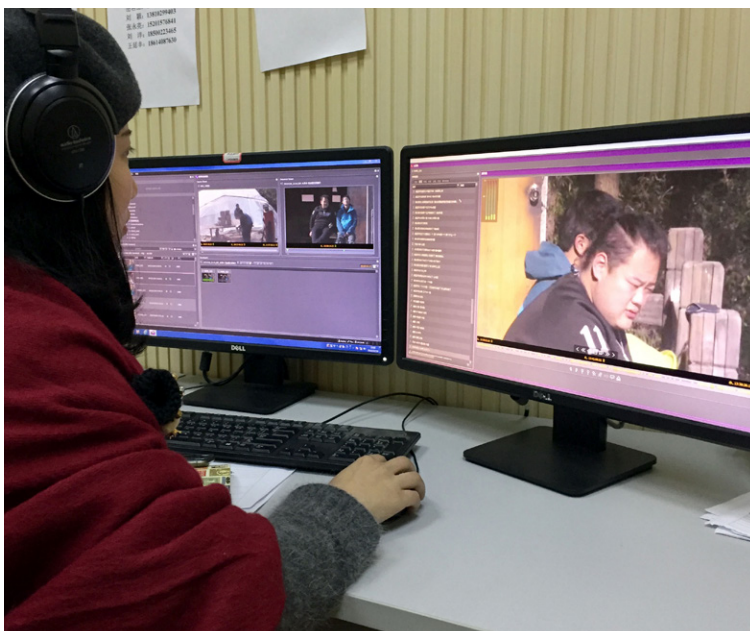
PLAYOUT

GV STRATUS Newsroom Bundles are available in THREE configurations.

- **GV STRATUS Newsroom Express** — 2 bidirectional I/Os, 600 GB storage (based on K2 Solo 3G portable media server). *Supports 15 GV STRATUS clients, including 10 proxy editors and 1 high-resolution (up to 50 Mb/s) editor that can be directly connected to the K2 Solo 3G server.*
- **GV STRATUS Newsroom Pro** — 4 bidirectional I/Os, 8 TB storage (based on K2 Summit 3G Transmission Client). *Supports 15 GV STRATUS clients, including 10 proxy editors and 1 high-resolution (up to 50 Mb/s) editor that can be directly connected to the K2 Summit 3G server.*
- **GV STRATUS Newsroom Elite** — 4 bidirectional I/Os, 20 TB storage (based on K2 Summit 3G Transmission Client and K2 Central TX shared storage). *Supports 20 GV STRATUS clients, including 15 proxy editors and up to 4 high-resolution (up to 50 Mb/s) editors which can be directly connected to the K2 Central shared storage.*

The tight integration between GV STRATUS and the EDIUS editor, with its unique and highly optimized hybrid editing workflow, means that journalists can mix and move low-resolution and high-resolution assets — including so-called “wild files” from citizen journalists — across multiple sites, and perform full editing in the field. Because proxy files are used extensively and intelligently, there is no need for complex SAN configurations (although you can, of course, scale up at any time).

This Application Note describes some of the typical workflows and operations that these newsroom bundles facilitate and support.



Integration with Newsroom Computer Systems

Typically newsroom workflows are driven by the daily rundown, which is usually built by a newsroom computer system (NRCS). GV STRATUS integrates tightly with a wide range of NRCS vendors — including Avid iNEWS, ENPS, Octopus and Open Media — and this facility is available with all three newsroom bundles.

Users can easily link story text with the relevant video edits using the news production tools available within GV STRATUS and EDIUS, without the need to retype story slugs.

GV STRATUS interfaces directly with the NRCS to give newsroom producers and journalists the ability to create stories on the rundown. Individual users can also be given access rights to assign unique video IDs (or placeholders for video), search for and preview video material (low-resolution proxy on the desktop) and use the storyboard editor to create simple sequences on the NRCS desktop.

Video assets can be linked to the video placeholder and sent to the playout server from both GV STRATUS and EDIUS, and it is possible to create EDIUS projects automatically with the correct news story title. This speeds up getting news stories to air, and also helps with housekeeping.

Ingest

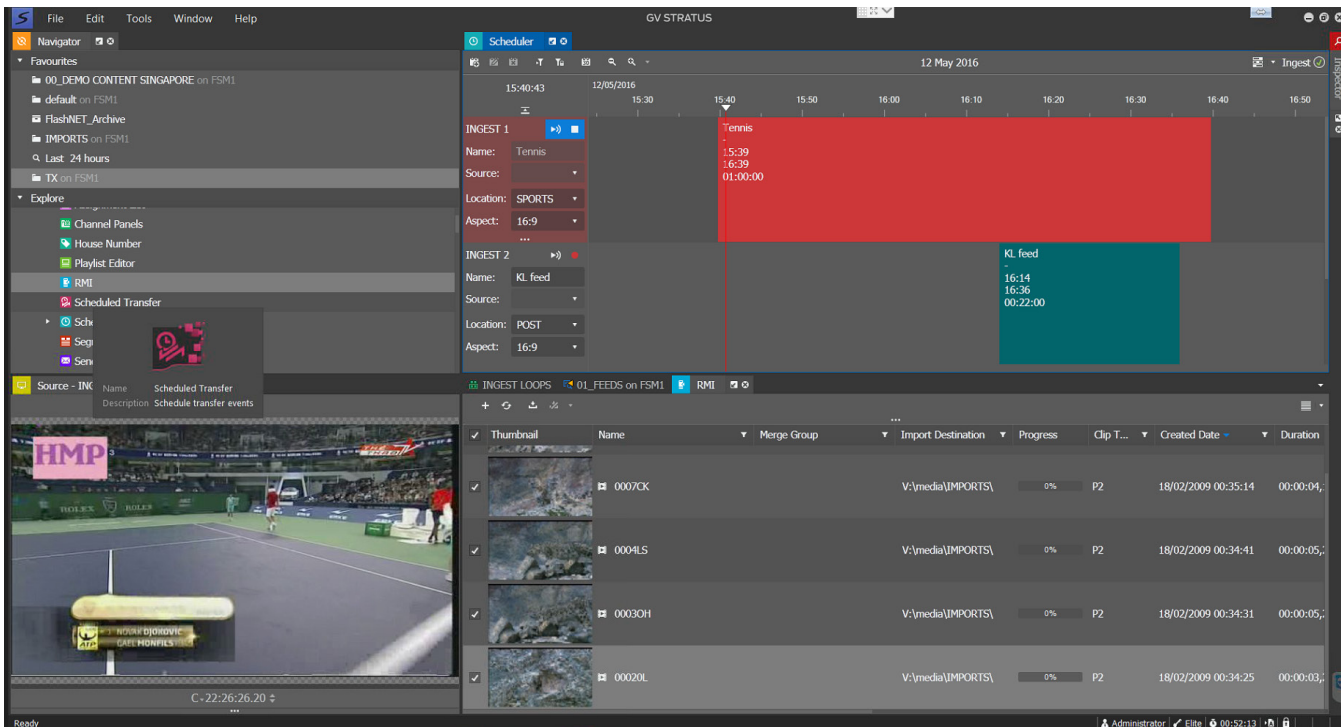
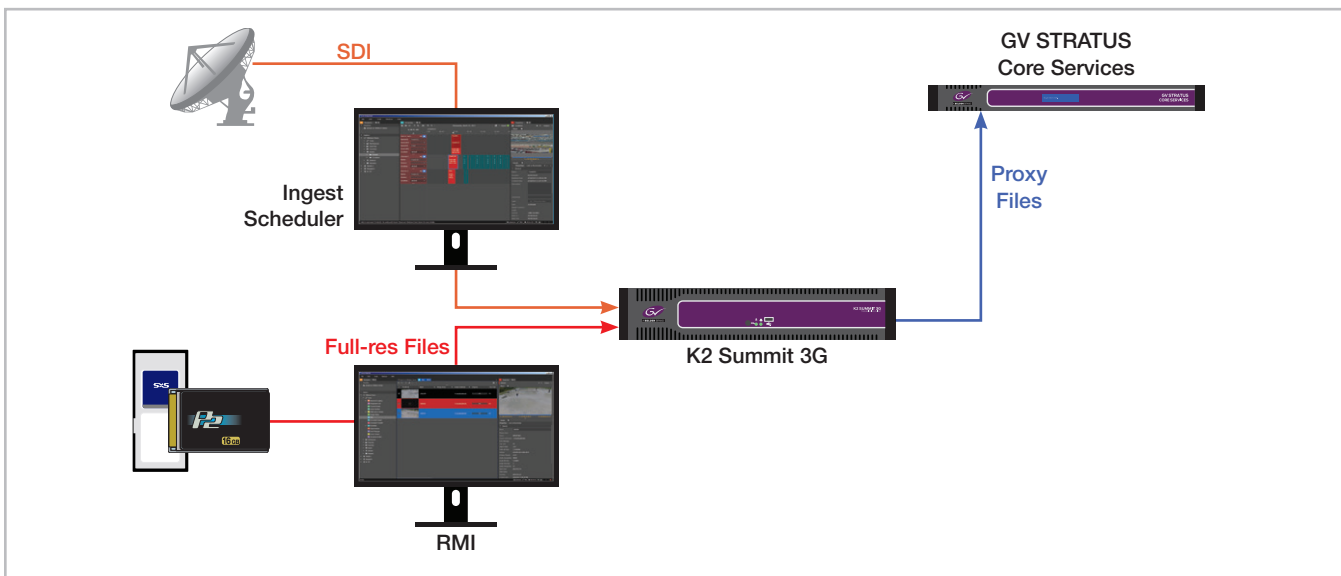
GV STRATUS newsroom bundles are tailored to provide a fast and efficient newsroom production environment. Both feeds and files can be ingested under GV STRATUS control to the K2 device with low-resolution proxy of all clips becoming immediately available.

There are a number of different tools that can be employed to introduce video content into the GV STRATUS environment. With the Ingest Scheduler tool, recordings can be planned in advance and repeated as regular unattended events. For file-based camera content, such as P2 and XDCAM, the Removable Media Import (RMI) tool provides the ability to preview content, pre-select, rename and group before ingesting to the K2 storage.

Additionally, as news footage is increasingly delivered in many different source types and formats, the GV STRATUS rules engine (included in all three bundles) offers the ability to automatically import video

files, either natively or via a transcode process (require an additional license). These file imports can be set up according to workflow rules, and can include email notifications, so that the process is completely automated.

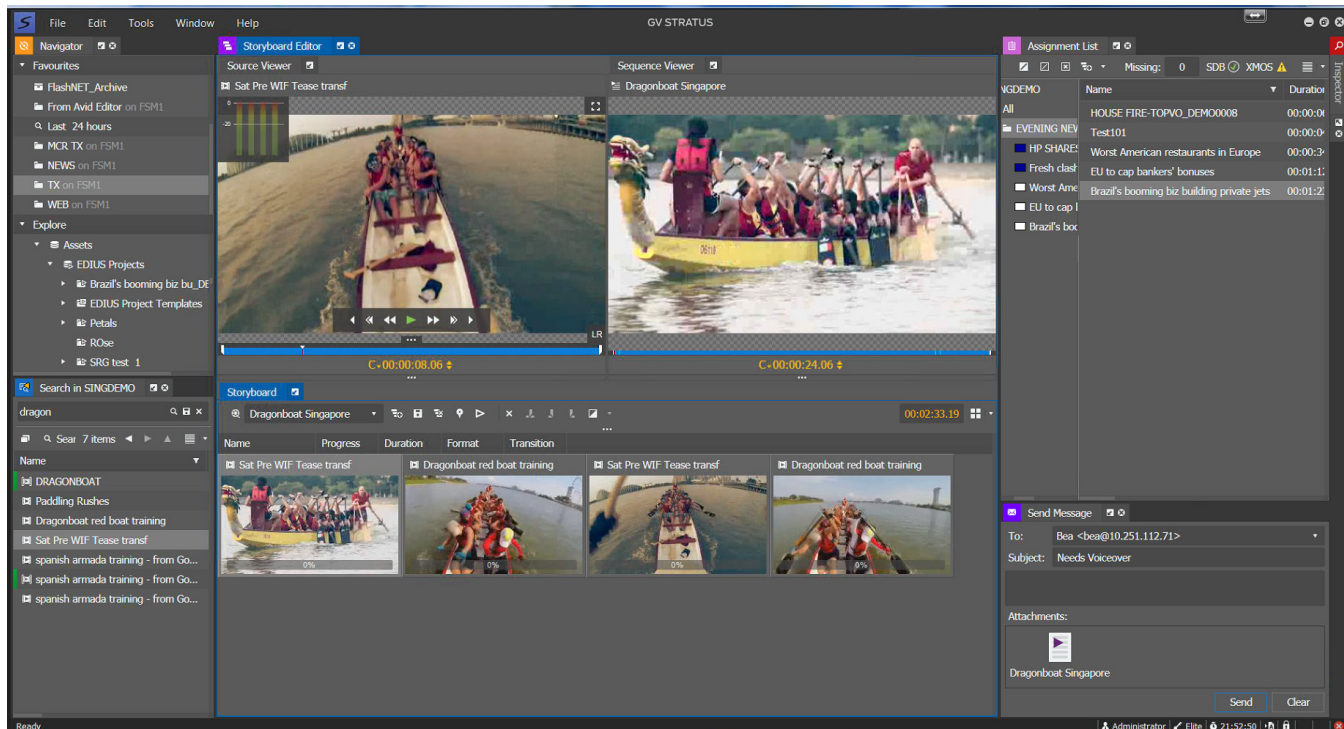
As soon as a live feed starts recording or a file import begins, a proxy copy of the content is created. This means that within seconds of the high-resolution content being ingested, all low-resolution workstations can browse the video, even while the file is still growing. Markers and metadata can be added during ingest, and this information will be available to all users immediately, according to their access privileges. Remote editors, connected to the system via a Wide Area Network, will also be able to view the low-resolution video and edit it together with any high-resolution content they have gathered in the field.



Story Preparation

GV STRATUS's storyboard editor is a simple, yet powerful, tool that allows all users to preview content, add marker points and prepare a rough cut of their story, either as a time-saving procedure to work with the video editor later (as the timeline and edit points can be opened and further edited with EDIUS) or ready for playout as a teaser.

There are situations when sending a rough cut to air, before any further editing, may be advantageous, for example with late-breaking news. GV STRATUS allows storyboard editors to send the edited sequence to the playout server ready to be aired.

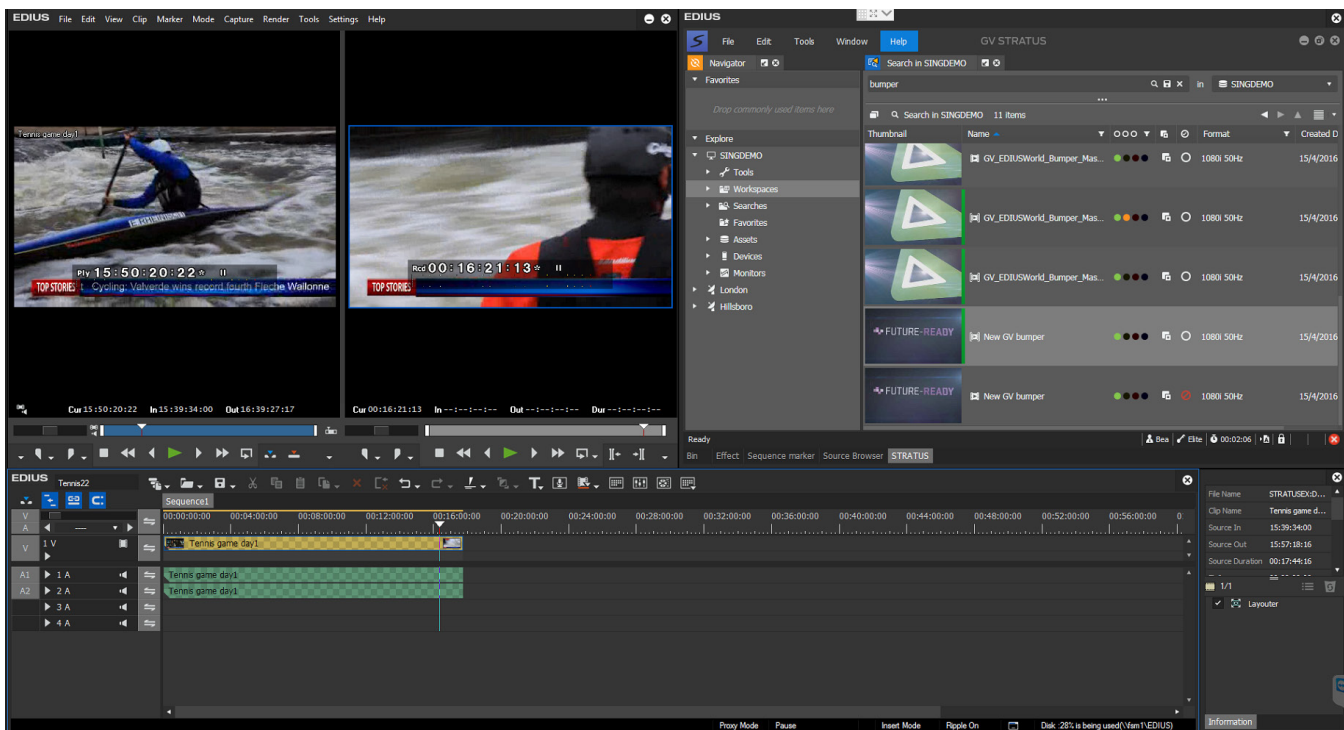
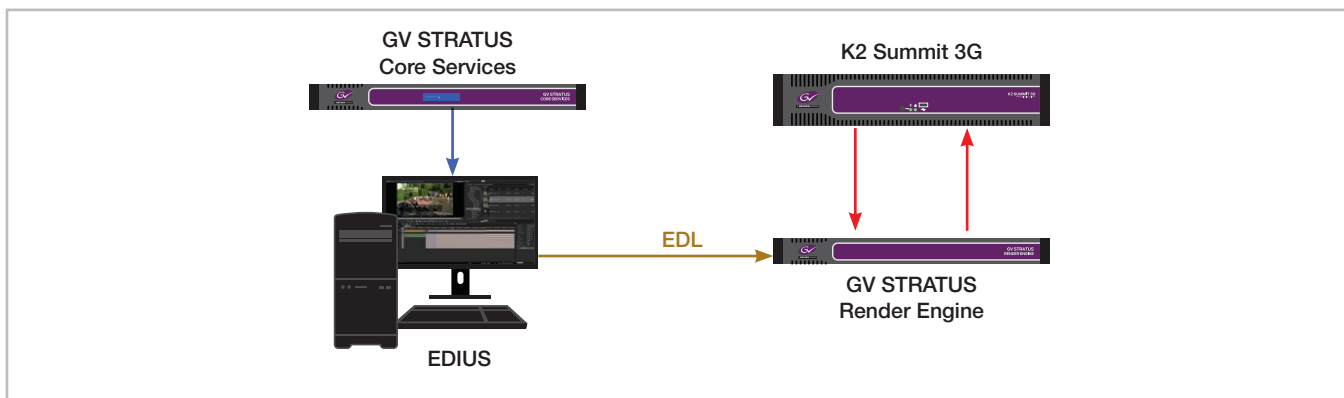


Editing

By leveraging the unique ability to seamlessly mix proxy and high-resolution media in EDIUS, all newsroom users can edit content with the level of sophistication previously available only in dedicated and expensive edit suites.

All three bundles include a number of licenses to run EDIUS XS, Grass Valley's fully-featured low-resolution video editor. The user interface is exactly the same as the high-resolution EDIUS Workgroup version, but it works with GV STRATUS proxy content. Using the GV STRATUS plug-in within EDIUS, users can search and even manage their content, add metadata (given the correct user permissions), send to archive, export, etc.

EDIUS XS provides powerful post-production features such as video and audio effects, audio track manipulation, voiceover, titling tools, animations, color correction and motion tracking. Once the edit is complete, the video editor can send the finished piece, linked to the relevant NRCS story placeholder, to the playout server. The GV STRATUS render engine will automatically render effects and conform the sequence in high-resolution content for sending to playout. K2 Summits support play-while-transfer of growing files; hence, the edited story can be played to air even while it is being conformed.



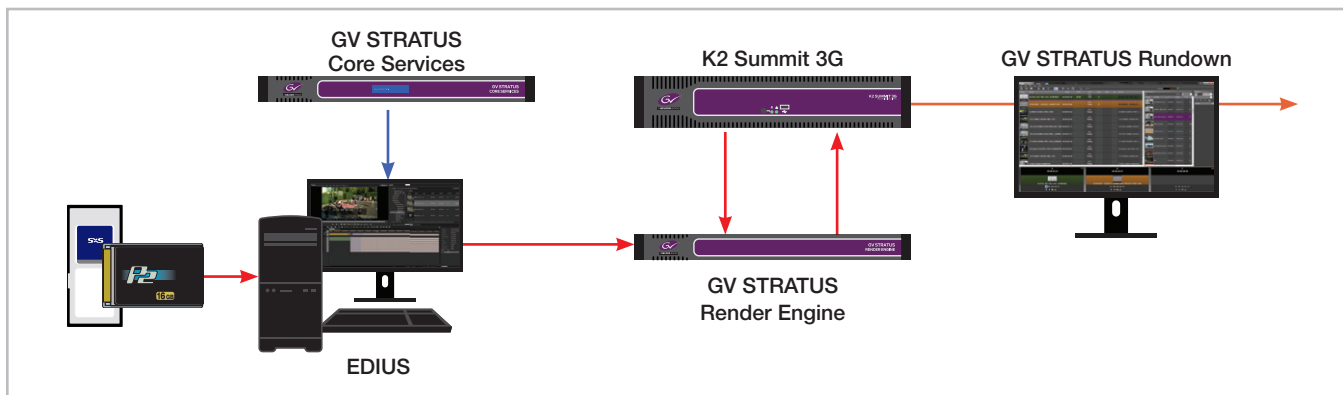
High-Resolution Editing

All of the bundles include full EDIUS Workgroup licenses with GV STRATUS connectivity. These licenses are provided for field editors running on laptops that can be deployed both inside and outside the news facility — either as standalone editors or connected to the GV STRATUS system. With EDIUS, news journalists can edit full-resolution content, locally stored on the local hard disk or a removable drive, which can be any mixture of file types delivered in a variety of ways, such as from mobile phones, dashcams, drones etc. EDIUS's extensive codec and file support means that no time is wasted in transcoding or re-wrapping, simply dragging and dropping the files into the EDIUS bin will allow users to start working immediately.

Additionally, when connected to the main GV STRATUS system, either within the building or in the field, editors can search and browse proxy

content from the main system and edit it together with their local full-resolution material. The final sequence can then either be conformed locally and sent back to the news station, or a project file with just the required amount of full-resolution footage sent back to GV STRATUS for conforming, ready for playout or multiplatform delivery. Because of the tight integration with the newsroom computer system, the editor can link the video with the correct story placeholder from the start of their editing project, or simply once the final edit is being sent to the playout server.

With the Elite bundle, up to 4 editors at any one time can access high-resolution media from K2 Central storage, and edit-in-place (rather than using the proxy content from K2).



Playout

Typically, in a newsroom system, playout is driven by the MOS-compliant NRCS. As already noted, users can easily link story text with the relevant video edits using the news production tools available within GV STRATUS and EDIUS, without the need to retype story slugs.

The news rundown can be loaded into the GV Rundown playout tool and synchronized with the NRCS: all changes made to the live schedule are immediately followed by the GV STRATUS Rundown tool. As

edited stories are sent to the playout server by producers, editors and reporters (either from EDIUS or from the GV STRATUS Storyboard editor), the story status is dynamically updated on both the NRCS and the GV Rundown tool.

All three newsroom bundles include a K2 server (Solo or Summit) which provides solid, broadcast-quality playout capabilities, including growing files (play-while-transfer).

Multiplatform Delivery



The GV STRATUS rules engine provides the ability to easily automate the process of exporting media to digital platforms, according to metadata changes (e.g., a simple tick box to send to YouTube). Video can be exported natively in the GV STRATUS proxy format (it supports a choice of 1, 3 and 5 Mb/s H.264) or transcoded via a third-party transcode engine (customer-furnished).

Archive

GV STRATUS is a very open system, and has been integrated with applications from all of the main archive management vendors, including MassTech, Oracle and SGL. These integrations enable GV STRATUS users to archive material to a nearline or deep archive repository, preserving all of the metadata and proxy content, as well as fully tracking the archive destination.

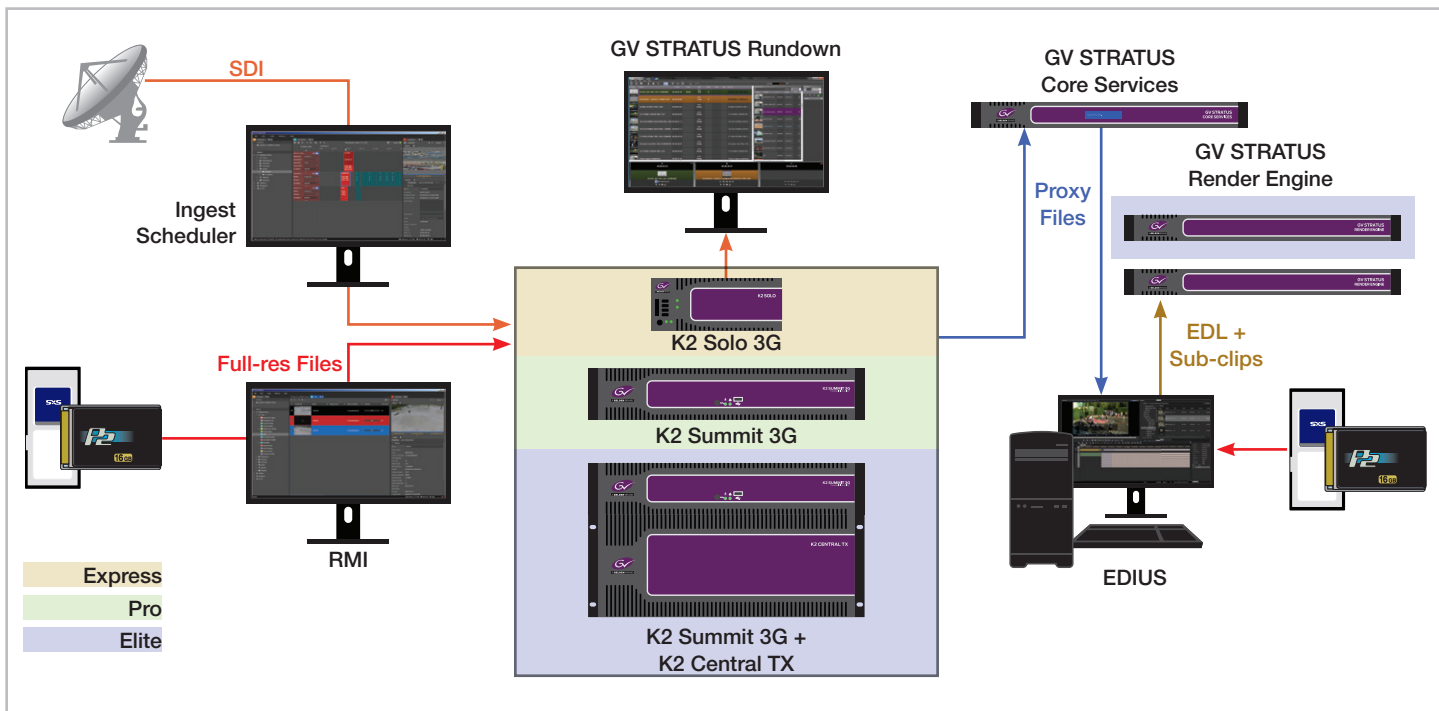
Librarians can use the GV STRATUS Storyboard editor to compile their archive material as a timeline, or even EDIUS to add headers, logos, etc.

Archival can be executed according to workflow rules — time-based, for example — or manually following an editorial selection. Content can also be restored as needed.

In Summary

GV STRATUS newsroom bundles provide an affordable way to bring the news station to the field by combining media asset management, editing and high-performance storage.

Engineered by Grass Valley to exacting broadcast standards, these solutions enable video journalists and producers to create more compelling content by incorporating almost any kind of footage, and get it to viewers faster than ever before — whenever, wherever and however they are watching.



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