

Invenio[®] Insight

Digital Asset Management



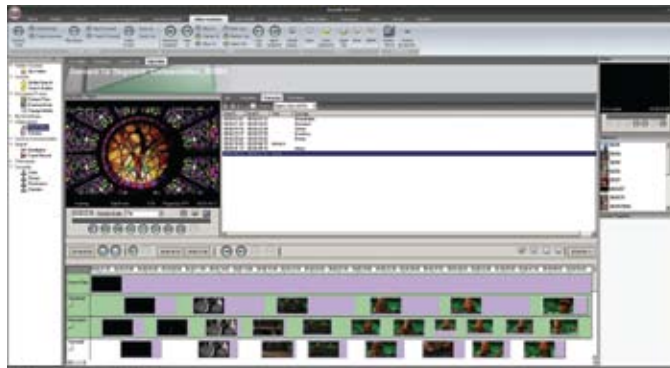
The digitization of content presents the opportunity to design an operation focused on achieving the maximum value from your content assets. Embracing digital enables you to move beyond traditional processing to repurpose and reinvent your content in ways that build new revenue streams and new audiences. Invenio Insight puts you in control of your media transformation by making it possible to develop new products and services with a shorter time to market.

Invenio Insight enables your operation to:

- Manage the key workflows that help your business acquire, catalog, edit and distribute digital media
- Ingest and catalog digital content
- Locate rich metadata and content across the operation
- Browse, view and edit low-resolution proxy media from anywhere — desktop, Mac or web
- Prepare content for repurposing — and get it distributed

Improve the efficiency of content management

As you seek new business opportunities, the content formats that you need to support will grow, which can lead to increased overhead and operational complexity. Invenio Insight streamlines your content workflows to allow your business to take advantage of new revenue opportunities with minimum investment. Information about the location, format and status of your content is always at hand.



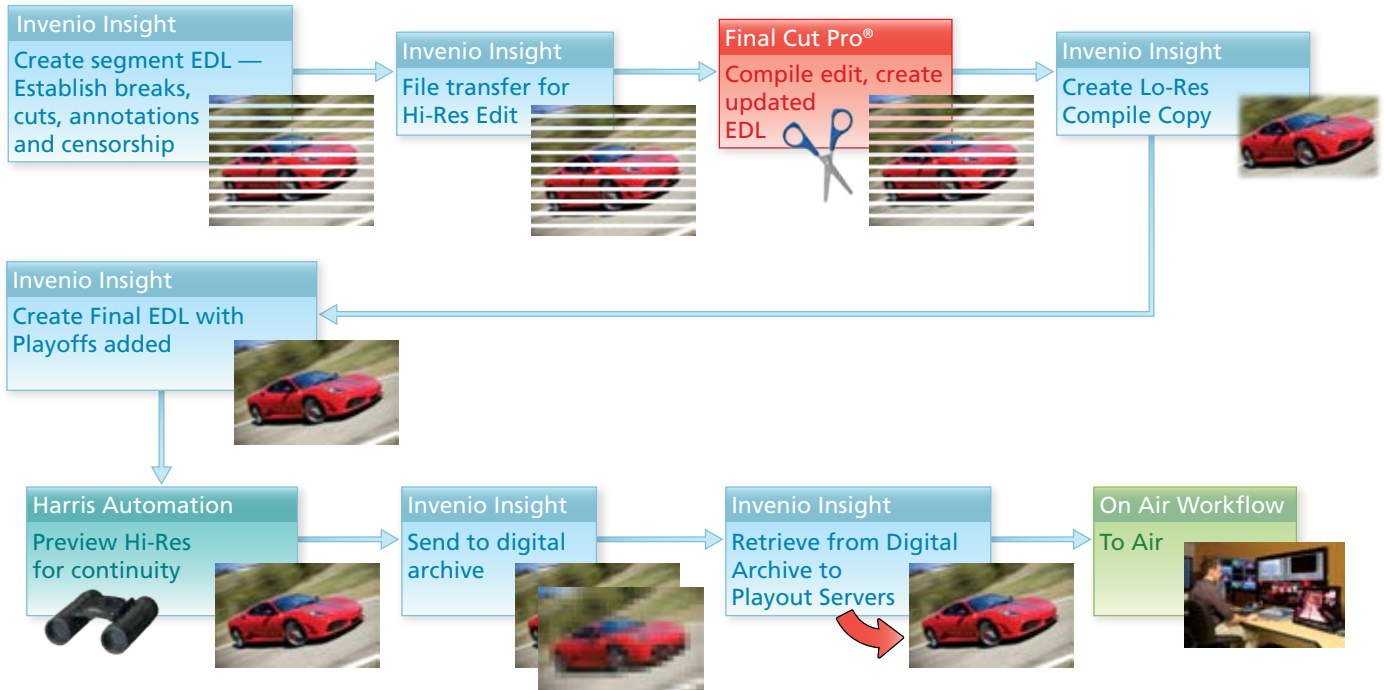
Invenio Insight automates your file-based operations, including digital media ingest, transcoding, media duplication and transfers. The system relates data to content — even down to the frame — and integrates your devices to ensure that you deliver the right content to the right person at the right time. It does all of this at a price that delivers immediate value to your business.

Supercharge your workflow

Instantly know what new assets have been ingested into the system. Search for content, create new versions and more. Invenio Insight technology delivers efficient management of content from acquisition to distribution. A comprehensive range of open, intelligent and reliable media movement tools enables you to effortlessly trigger workflows for content. Customizable content workflows automate delivery and carry out assignments.

Use the Invenio Insight toolkit to:

- Interface with Harris and third-party devices through an open API
- Create new content, new versions and proxy copies
- Retrieve embedded MXF metadata
- Deliver dynamic, real-time information about new assets
- Move content between archive and online storage
- Automate quality control with Harris® Videotek® QuiC™ media analysis
- Transcode content
- Deliver content



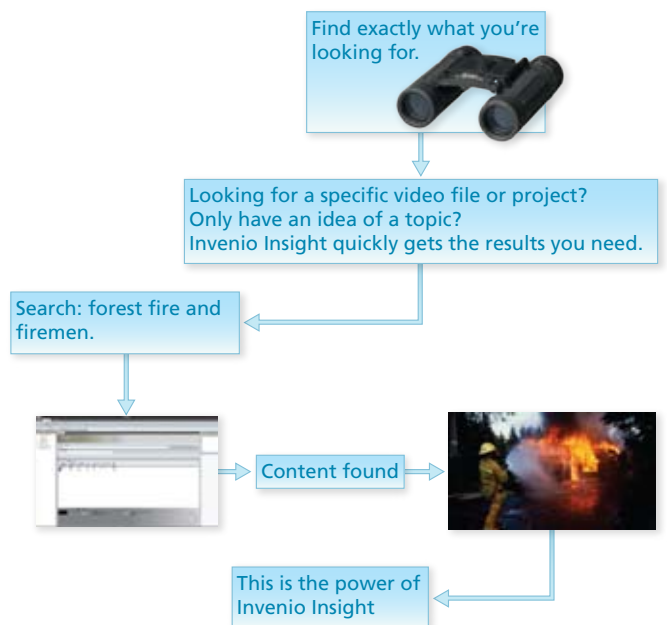
Designed to integrate with Harris D-Series™ and ADC™ playout automation systems, Harris NEXIO® video servers and a large number of third-party products, Invenio Insight allows you to incorporate rich content browsing and media transfer functionality across your entire operation.

Don't search for content... Find it

The Invenio Insight search engine and thesaurus help you find the content you need without wasting valuable time. The innovative search engine delivers unified search results from all relevant metadata across all storage devices in all configured domains. Whether you are researching ideas or pursuing a specific asset, Invenio Insight offers standard search operators and keywords to quickly retrieve the results you need.

Search results allow you to preview proxy media and move the corresponding high-resolution content from an archive to a production or playout destination.

The thesaurus enables you to develop and manage a common language for identification of content. This improves both the accuracy and precision of content searching by retrieving all relevant content, regardless of whether it was filed under different terms for the same concept.



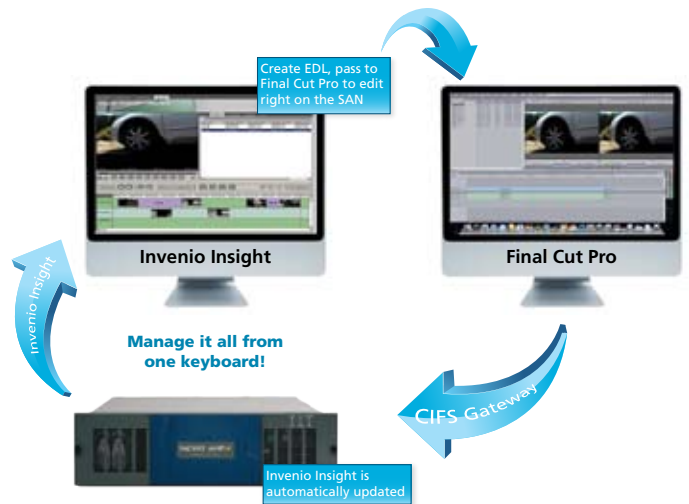
Unleash your creativity

Invenio Insight provides innovative tools for your team to facilitate creative collaboration while reducing the energy expended on content management. By automating media status notification and providing transfer progress, your staff can focus on their creative goals, not on shuffling tapes or files around.

Take full advantage of creative resources and teamwork by providing accessibility and flexibility to your user community. Invenio Insight digital asset management allows you to effectively and efficiently manage your own personal workspace and to work collaboratively with others. Personal and project folders simplify storage of work in progress and previous assignments.

With Invenio Insight you can

- Research content, work on active projects, or kick off workflows to move content across your organization
- Browse low-resolution content without the overhead of library checkout and content movement
- Enter metadata once — it is instantly reflected across all material copies and shared with all users
- Make edits directly on the SAN, with minimal file movement



Create new versions and edit without the overhead of moving high-resolution files or switching between Windows and Mac clients.

Invenio Insight Features at a Glance



System Requirements

Invenio Insight system requirements vary based on the needs of your organization, including number of users, the amount of content to be handled, number of sites, clustering and more. The following hardware guidelines are included for reference, but for detailed information, contact your Harris representative.

PC

- 2 GHz Dual Core Processor, 4 GB RAM, 250 GB HDD
- 16X DVD+/-RW
- 256 MB or greater video card (widescreen monitor recommended)
- Windows® XP Professional SP2 or Windows Vista®

Mac®

- 1.25 GHz or faster Intel® processor, 1 GB RAM, 2 GB of available disk space
- Mac OS® X version 10.5 Leopard® or above

Application Server

- 3.0 GHz dual-core processor, 4 GB RAM
- 80 GB or greater primary HDD; second, third and fourth HDD of 146 GB each
- Redundant power supply
- Dual-port server network adapter
- Windows Server® 2003 R2, Standard Edition with SP2, includes 25 CALs

Database Server

- Dual Core Intel® Xeon®, AMD Opteron™ (4-8 core total), 32 GB RAM, 1 Gb network connection
- Appropriate RAID Storage
- Windows Server® 2003 R2/2008, Enterprise Edition 64-bit, latest Service Pack
- Microsoft® SQL Server® 2008 64-bit

Web Server (with implementation of Web Client)

Video Streaming Server

NAS Storage for low-resolution files

Invenio Insight Grows With You

Extend Invenio Insight with additional workflow automation, or expand your system for near-real-time live news and sports uses.

Automated metadata collection: Add tools for speech-to-text, image-pattern indexing for frames, geospatial coordinate extraction from GPS-enabled devices, closed-caption extraction, and metadata capture from Harris applications and other third-party systems. These tools allow content to be tracked for productive use by journalists, producers and operations.

Invenio Turbo wide-area asset management and movement: Turbocharge the movement of assets across multiple locations with a smart FTP-based system that allows you to manage file delivery based on your priorities, with support for multiple networks, native peer-to-peer support and guaranteed file delivery.

Field reporters or consumers: Supplement your video capture efforts with this iPhone® application that enables you to capture video, annotate it, and send it directly into your Invenio Insight system, allowing easy cataloging and video access for quick repurposing.

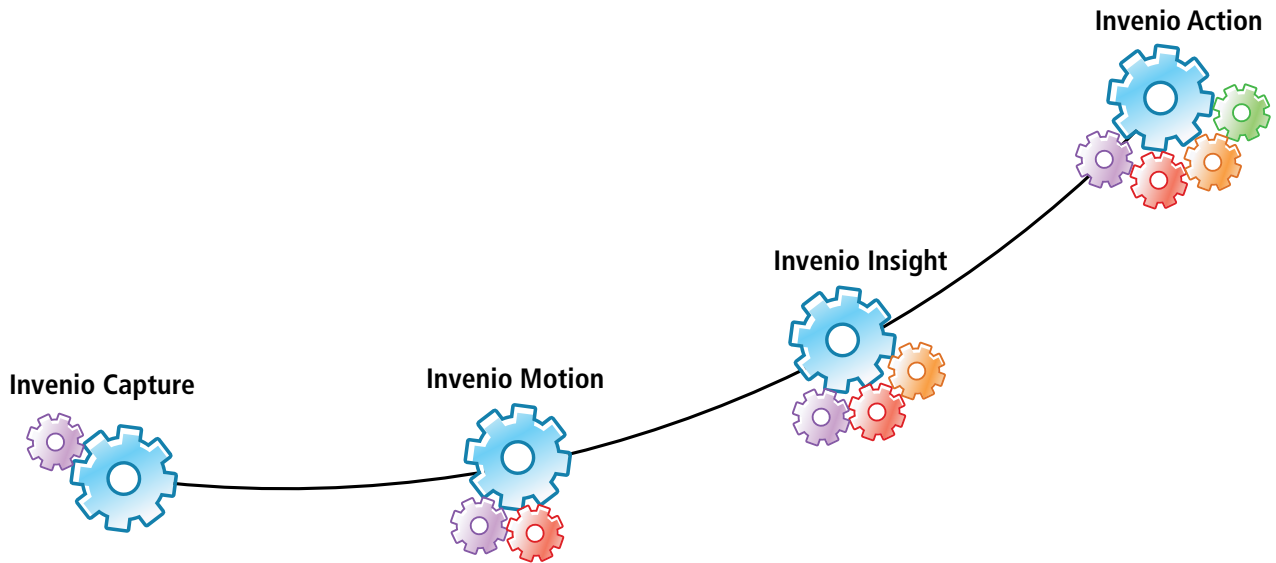


Invenio Action: For operations with live news and sports applications, Invenio Action is designed to speed and manage live feeds and log content and geospatial metadata to keyframes as information is captured — in addition to the media management and workflow capabilities in Invenio Insight. React to breaking stories by quickly finding the content needed to tell the complete story.

Invenio Insight consultants can work with you to integrate your devices and organize tasks into processes that fit your needs. As your organization takes on new challenges, workflows can be added or adjusted as needed.

Invenio® Family

Invenio Insight is a key member of the Invenio suite of media asset management software solutions. Providing a total media asset management platform, Invenio empowers content creators, owners and distributors to manage the entire content lifecycle — from ingest to cataloging, storage and retrieval — to support today’s multiple platform distribution. The suite’s modular design lets you build a system from the bottom up, enabling you to meet current requirements and to scale as the needs of your operation grow.



For more information, please visit www.broadcast.harris.com/invenio.

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