

Case Study

Televisió de Catalunya



The Customer: Televisió de Catalunya

Televisió de Catalunya (TVC) is the leading station in Catalonia, with 5 television channels, 1,369 employees,

33,000 sq. meters of work premises in Sant Joan Despí (Barcelona), a budget of 245,259 million Euros in

2002, 17,616 hours of annual broadcasting and 51% of self-produced content.

Since its creation in 1983, TVC has sought to give a response in an open and serious way to the concerns of the citizens of Catalonia regarding news, entertainment and culture.



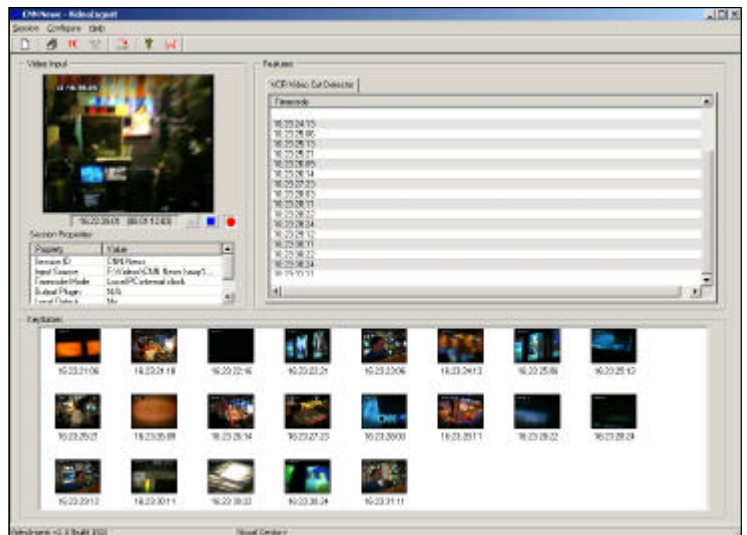
The Project: Going Digital

For any television, migrating to digital broadcasting is a very complex step that requires time, resources, and above all, reliable technology.

The step taken by Televisió de Catalunya made it the second television to go digital in Spain, after the digitization of the newsroom at

Tele5, with the difference that the Catalan broadcaster aimed to tackle all production areas from the very beginning.

In early 2001, Televisió de Catalunya announced the digitization of its production centre in Sant Joan Despí. The project focused on the development of an audiovisual content production system totally based on software technology, the integration of systems developed by the in-house technical department, and the digitization of TVC's video archive.



The Solution: Automatic Video Indexing with VideoIngest

A key element in digital broadcast environments is the video indexers or cataloguers; they are at the beginning of the process, and if they don't deliver with exactitude and precision, the performance of other applications may be affected.

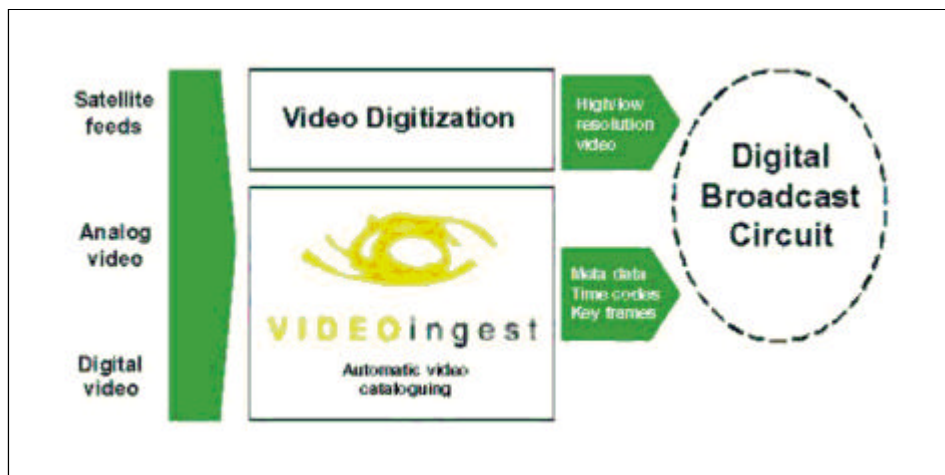
TVC was very aware of this point, and after thorough

testing chose VideoIngest for the cataloguing of satellite feeds material and digital and analogue video out of a number of video indexers available in the market.

VideoIngest analyzes the live video signal and automatically extracts relevant meta data from it, such as scene changes, speech-to-text, and

agency feeds. VideoIngest works in real time for live video signals, but for digital video files the process can be done at a much higher speed (up to five times faster), depending on CPU capacity.

VideoIngest has a modular architecture that is extremely flexible and gives enormous customization possibilities.



Benefits for Televisió de Catalunya

- Easy integration with the other elements in the TVC digitization process.
- Compatibility with TVC's Informix database system.
- Real-time or speeded up video analysis, for live or recorded video analysis.
- Data retrieved or inserted in a session is exportable to XML and image files.
- Rescalable keyframes with configurable size.
- Function and extensibility based on a modular system.
- Increased productivity and reduced overall costs.

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