

# Automated Video Workflows and Transcoding

## For Broadcasters

Vcodes for Broadcasters is a best-in-class software platform automating the conversion of large-scale, multi-format video content.

Designed for TV broadcasters and Over-the-top (OTT) content providers, Vcodes provides intelligent workflows that automate video conversion end to end - from the ingestion of source content, through analysis, transcoding, subtitling, video processing, and up to multiplexing and repackaging final output files for cable VOD, mobile devices, or any required format.

### Intelligent Video Workflows

Vcodes workflows are custom-tailored to support your unique requirements and processes end to end. This includes:

- Content ingest from tapes, optic media and media files
- Complex source analysis, error detection and metadata retrieval
- Video and audio processing – resizing, trimming, converting formats, and more
- High quality encoding/transcoding
- Subtitles, logos, and graphics insertion
- Content verification
- Final re-packaging and output in multiple formats

Workflows employ smart analysis to automatically decide on the processing required for each individual video, based on its properties and incoming metadata.

### Integration with Media Asset Management

Vcodes seamlessly integrates with any content management and media asset management systems (CMS/MAM), so that it can receive instructions and video metadata and send back final encoded content for publication.

Built-in integrations with leading CMS systems, combined with Vcodes' API enable a smooth integration into any broadcasting environment.

### Top Quality Video Output

Incorporating rich video expertise, Vcodes delivers the highest quality video outputs. Re-packaged video files not only conform to the strictest industry standards, but are also tested and verified to smoothly play on the target set-top boxes and/or mobile devices.

## Key Features

- Automated video workflows, customized to each broadcaster's needs
- Video/audio processing with automatic decision making
- Highest quality video/audio encoding
- Subtitling options for multiple languages
- Integration with Media Asset Management systems
- Carrier-grade scalability and throughput

### Powerful Subtitling Options

Vcodes' powerful subtitling options support multiple languages and provide full control over subtitles position, style, and time code synchronization.

DVB subtitles can be inserted as separate tracks, independently from the video. This lets you include multiple subtitle tracks as well as enables end users to switch subtitles on and off.

Alternatively, overlaid subtitles can be superimposed and encoded with the video.

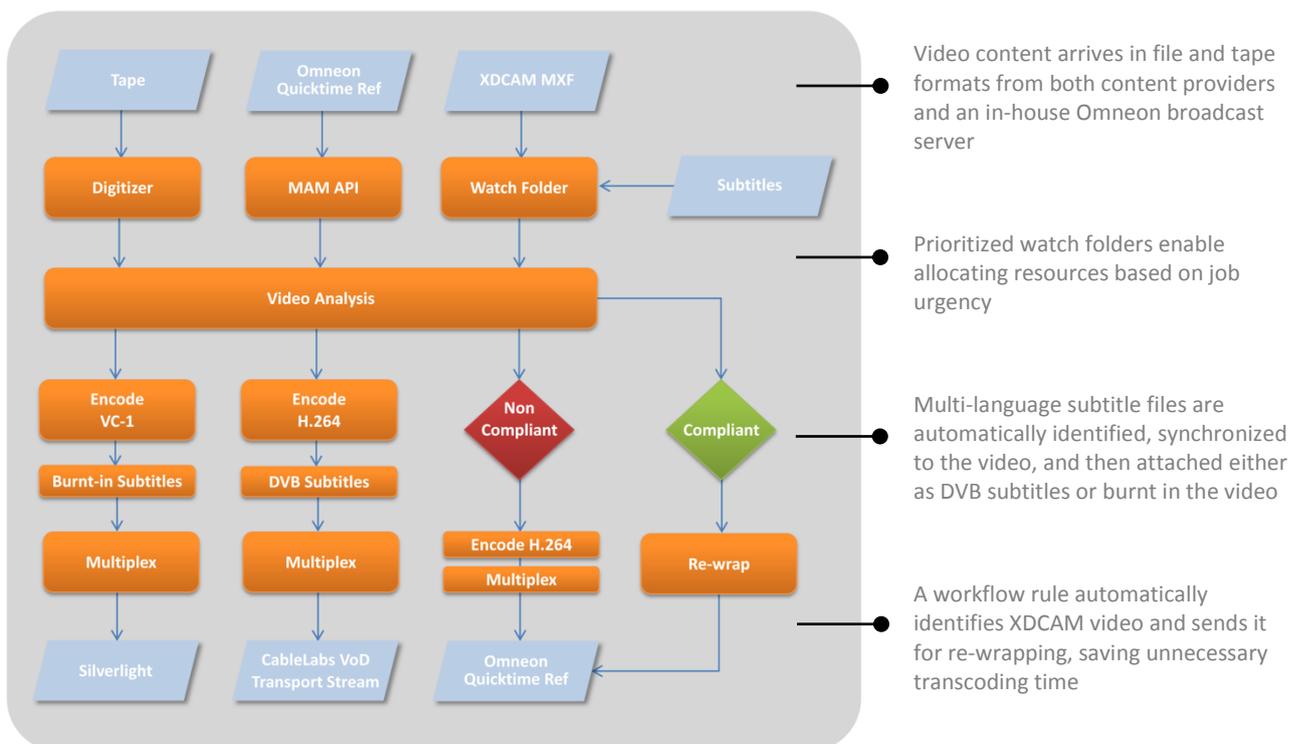
### High Scalability and Throughput

The Vcodes software architecture delivers a telco-grade solution, enabling the processing of intensive, large-volume video content. Built with distributed client-server architecture, Vcodes supports multi CPU and network-based processing, ensuring high-volume throughput.

### Expert Services for Quick Implementation

Vcodes' video expert team gets you started quickly by tailoring the automated video workflows to your needs.

Our engineers study your content preparation environment including STBs and VoD servers, then build, test and fine-tune the required Vcodes workflows.



Sample Vcodes automated video workflow used by a TV broadcaster