imagen°

Enterprise Video Platform

Imagen helps companies of all sizes and industries to preserve and navigate their ever growing media libraries

Powerful search
Find videos through a customisable web interface

Engagement
Interactive functionality including tagging and sharing

Mobile
Accessible 24/7 on any device, wherever you are

Cost effective
Imagen offers a range of system options to suit all budgets

Media management in your browser

With administrative permissions you can access Imagen's browser based Control Panel, a feature-rich administration interface allowing you to control every aspect of user access and your web-site's public web interface, including:

Full content management: Easily create supporting content for your media archive. Modify pages using a WYSIWYG editor.

Secure User Access. Control who has access to your content and what they can do with it.

Custom menus: Add new menus and link to your new pages.

Switch Themes: Import custom themes or modify existing 'out of the box' templates.

Analytics and reports: Add Google analytics code or use inbuilt reporting functionality.

Configuration backup & import: Your system and theme configuration can be backed up for safe-keeping and reimported.

Modify Widgets: Control the way your assets are discovered and displayed.

Institutional Login: Secure institutionalized access via email domains and Single Sign On.

Imagen gives businesses the platform to engage their customers through video more effectively

With twenty years' experience in video management, Imagen enables companies to effectively archive, store, manage and search for video content. Imagen can be used for:

CORPORATE COMMUNICATIONS

VIDEO LIBRARY

FOOTAGE SALES

VIDEO ON DEMAND

SECURE VIDEO VAULT

CAMPUS VIDEO PLATFORM

Imagen for end-users

Google-style searching and results filtering: Powerful searches based on relevancy; quickly find the right video, images, audio and documents using customizable filtering and sorting controls.

Change metadata, add comments: Depending on access level, users can make comments about a record or even change record metadata.

Create & share collections: Select assets from your archive and set them apart under a searchable title. Collections can be shared with colleagues and friends.

Create Clips: Use on screen edit controls in the video player window. Add notes to your clips or download for access offline.

Download content: In a variety of formats to a range of devices. Download versions can be watermarked and timecoded.

Your brand, your website

Imagen includes a Web module which allows you to create a secure, fully customized site, offering both a user-facing side for your end-users and a powerful administration side for you.

Using *Themes*, you can customize the look and feel of the site. Change colors, fonts and graphics without affecting content or functionality. You can use one of the themes provided with Imagen, or design & create your own.

Time based video searching

Time based annotations associated with video or audio files can be used to search long form content and initiate playback from the point of interest. For example, a subtitle track or shotlist can be searched for a snippet of dialogue or a sports highlight and the user will be taken directly to the most relevant point in the video.

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Ingest

You can ingest content in a number of ways - through the ImagenWeb interface, the API or the ImagenClient application.

New media Items can be ingested individually or or in batches. Tools are provided for large scale imports of data and media, making migration from legacy archives possible.
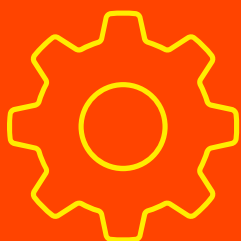
Export

Your media can be exported from Imagen at any time using the Export Wizard. This provides quick access to any individual item in the archive; the original file, proxy versions or the metadata record in xml format.

Recording TV and encoded streams

Imagen can be upgraded to capture encoded streams or transport streams from DVB-S and DVB-T sources.

EPG and subtitle data can be automatically captured to create rich metadata records. Automated workflows create a wide range of proxy versions which can be used for streaming online and downloading.

Powerful automation tools for media managers

Workflows

Imagen's flexibility is derived from its ability to make as many workflows as you need to suit your operational requirements – you can have multiple input and output workflows for different kinds of media – each of which may have different parameters.
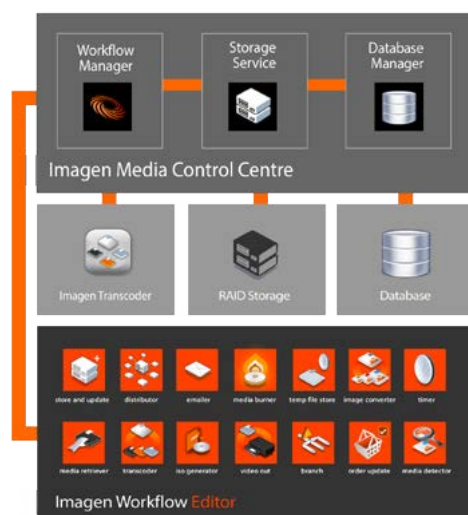
A workflow describes the business and technical processes within your system. For example, when you ingest a new video file you may want to store the original and make proxy files to be used for distribution across various platforms.

You can create workflows using the Workflow Editor. Simply drag and drop the processes that you want to feature in your workflow, link them up and set the parameters for each stage.
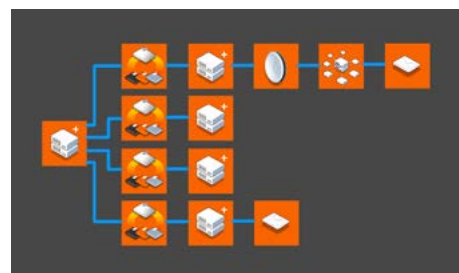
You can also set up output workflows to produce alternative file formats, set up email notifications, manage network distribution and much more.

Using workflow modules you can:

- Detect media type and automatically send it to an appropriate workflow.
- Transcode an original video into a range of other formats for different audiences or devices, generating stills and reference images for display in search results.
- Watermark video output.
- Schedule publication or upload times.
- Send out email notifications.

Workflow Editor comes with a range of modules

Connect the modules to create a workflow

The Imagen Transcoder

Imagen's transcoder server supports decoding from and encoding to a wide range of existing audio/video compression formats and container formats with audio/video filtering and post-processing features. Further formats can be added on request, subject to licensing and development cost.

Our transcoder software supports multi-thread processing so multiple instances of the transcoder server can be installed on all available processors across multiple machines. This means that large scale asset transcoding can be achieved quickly and affordably.

Database Schemas

Imagen's browser based media management interface makes it easy to create and modify your own database schema without any prior knowledge of SQL.
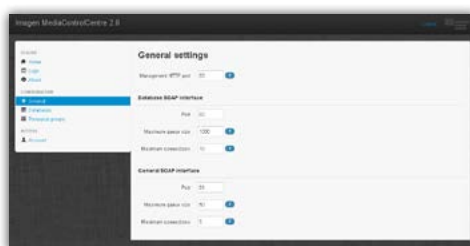
System Components

Imagen Media Control Centre

The Imagen Media Control Centre (IMCC) is the main back-end service component of the Imagen media management and publishing system. It provides the central control of media workflows, database configurations and indexing.

The Media Control Centre is the service which knows about all other services available within an Imagen installation. It manages the queues of jobs to be processed through workflows and delegates the processing of the jobs to the other available services.

In the IMCC Administration Interface, you can configure and monitor your Imagen environment:

- Set up ports and services.
- Consult and troubleshoot database schemas and connections.
- Set up users, groups, permissions and default access rights.
- Set up rendition profiles.
- Configure resource groups, specifying what storage services, transcoders or other plugins to use.
- Consult job logs and set log levels.
- Manage accounts & passwords.

REST and SOAP Interfaces

Imagen Media Control Centre provides open REST and SOAP interfaces that can be used by client software to exploit all of the database, workflow and storage functionality.

All data is transferred in XML format, and the interfaces permit very tight integration between Imagen and third-party applications and websites.
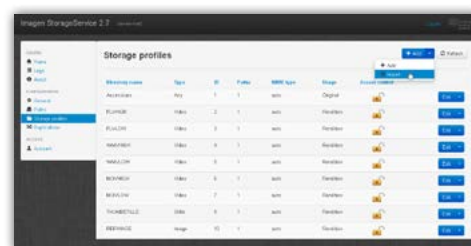
Imagen Media Control Centre

The Imagen Storage Service is a back-end server application that manages the storage of assets: video, images audio, documents and other files, within Imagen.

It provides a structured storage management system that includes support for local storage servers, online storage managed by NAS heads, tape library systems, and hierarchical storage manager software. As long as the storage path is accessible as a UNC, it can be local, NAS, SAN or HSM.

The Imagen Storage Service has its own management interface, which can be accessed through a web browser, permitting you to:

- Set up storage path definitions to disks or volumes in your network.
- Set up storage profiles, determining how different kinds of assets are to be stored.
- Set up retention periods for your assets.
- Manage replications to several storage locations for multi-tier storage or greater asset security.
- View storage logs and track the successful execution of storage jobs.

Unique Media Identifiers

The Storage Service works using Unique Material Identifiers. A UMID is a unique code that is used to identify audio-visual (AV) materials. It is assigned to any asset when it is created within Imagen.

The UMID is stored in a database within the StorageService module and is linked with the location of the stored asset.