

# DAX Broadcast Archive

## Challenge

Today tapeless workflows are gaining more and more momentum in the broadcast arena.

Traditionally video tapes were used to record raw material and kept as an archival copy of the footage. However, as recording becomes fully digital and tapeless, archiving long term footage becomes a disruptive issue.

Clients today most often implement economically driven solutions using flash or hard disk media that requires sharing and re-use of the footage. These "stitch in time" solutions unfortunately do not provide for long term archiving on permanent media that can be scaled infinitely.

In close cooperation with Square Box Systems, DAX Archiving Solutions provides an end-to-end Broadcast Archive Solution.

In this solution the broadcast ingest-editing-archive workflow is managed by means of Square Box's CatDV. It catalogues and manages all ingested footage. This can also include generating lo-res proxies, thumbnails, adding metadata and publishing collections of clips in the form of video catalogues on the network.

## Solution



DAX File & Folder Archive Software interfaces seamlessly with CatDV behind the scenes, facilitating the connection between the central storage and the deep archive.

Management policies determine which and when files are removed from the on-line hard disk storage to the deep archive on Blu-ray Disc or LTO.

The internal hard disk cache provides instant and easy access to the most recently archived/retrieved videos and all lo-res previews.

With only half the cost of a traditional video tape based solution the DAX Broadcast Archive Solution provides fully automated embedded archiving and retrieval in the broadcast workflow.

The complete media asset management and archive solution supports:

- **All major editing platforms:** Avid, Adobe, FCP.
- **A large variety of camera's:** P2, XD-Cam, Red.
- **All archive media:** LTO, Blu-ray, FTP/Hard disk.

## Benefits

- Instant viewing of all previews.
- Random restore capability.
- Extensive meta search possibilities.
- Automated archiving to deep archive.
- Offloads expensive on-line storage.
- Integration into existing back-up infrastructure is possible, providing even more cost-efficient storage management.
- Flexible configuration set-up enables to meet wide variety of performance requirements.
- Agnostic for specific video formats used.

Available for Mac and Windows.

### Contact for more information:

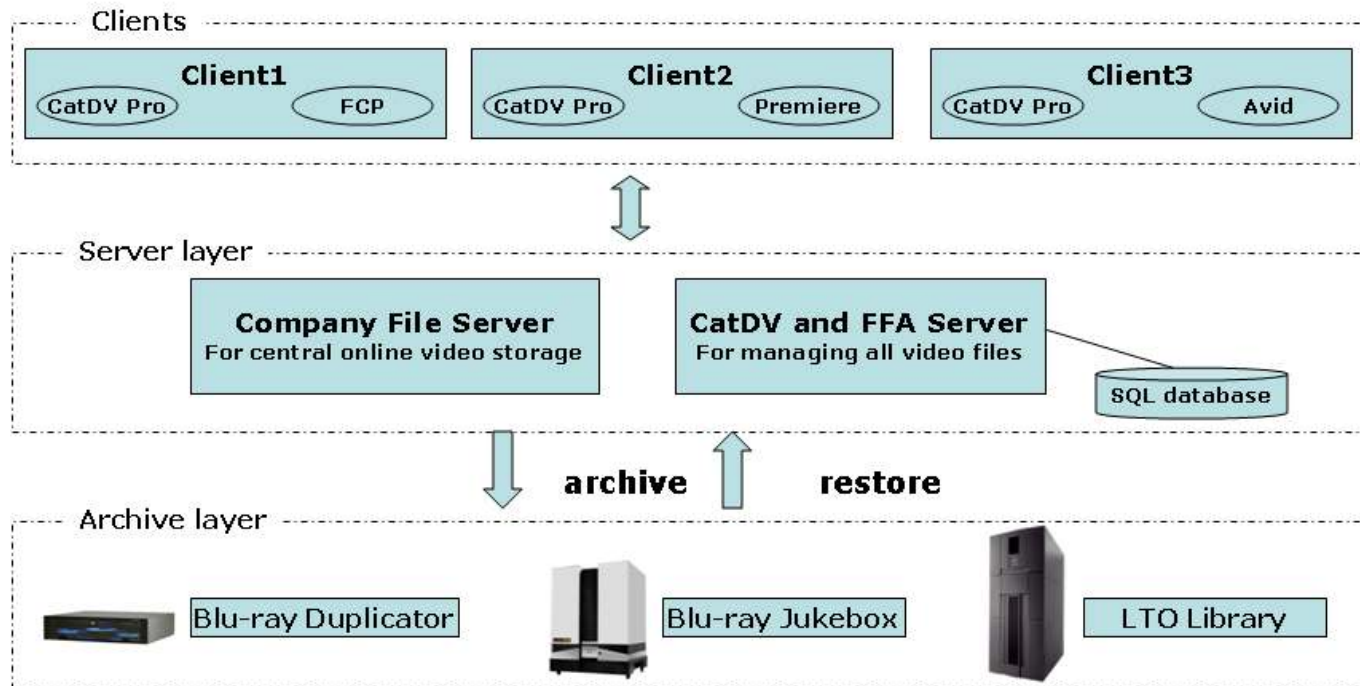
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**Secure the Future of your History**



All clients run catDV Pro to manage and search the video files which works seamlessly with Final Cut Pro, Premiere or Avid. Both on Windows or MAC OSX.

All videos maintain on-line on the company file server. The CatDV and FFA server contain a database with information about all video files and is able to archive or restore them to and from the archive layer.

Archive back-end to store the video files. These can be stored on for example a tape library, a Blu-ray jukebox or a Blu-ray duplicator.

	Entry	Mid-Range	Enterprise
<b>ARCHIVE</b>	2-3 TB per year, requiring an off-line archive. The archive will be only near-line for a limited part (5TB), the rest will grow off-line.	40 TB near-line archive.	350 TB near-line archive.
<b>SOFTWARE</b>	<ul style="list-style-type: none"> <li>CatDV enterprise w/ 5 users</li> <li>DAX FFA 5TB archive license</li> </ul>	<ul style="list-style-type: none"> <li>CatDV enterprise w/ 20 users</li> <li>DAX FFA 50TB archive license</li> </ul>	<ul style="list-style-type: none"> <li>CatDV enterprise w/ 50 users</li> <li>2 worker nodes to optimize workflow</li> <li>DAX FFA 350TB archive license</li> </ul>
<b>HARDWARE</b>	<p><u>LTO Solution:</u></p> <ul style="list-style-type: none"> <li>Archive server: Mac Pro</li> <li>Archive hardware: 10 slots LTO library.</li> </ul> <p><u>Blu-ray Disc Solution:</u></p> <ul style="list-style-type: none"> <li>DAXfs w/ 5TB cache</li> <li>Archive server: Mac Pro</li> <li>Archive hardware: Dell/Windows XP &amp; Bravo XR BD Publisher</li> </ul>	<p><u>LTO Solution:</u></p> <ul style="list-style-type: none"> <li>Archive server: Mac Pro (Dual 2.8, 4GB RAM)</li> <li>Archive hardware: 50 slots LTO library/2 drive.</li> </ul> <p><u>Blu-ray Disc Solution:</u></p> <ul style="list-style-type: none"> <li>Archive server: Mac Pro w/ 5 TB hard disk storage</li> <li>Archive hardware: SmartDAX 700 BD</li> </ul>	<p><u>LTO Solution:</u></p> <ul style="list-style-type: none"> <li>Archive server: Mac Pro w/ 5 TB hard disk storage</li> <li>Archive hardware: 450 slots LTO library.</li> </ul>