



“Relive Your Past through TV Programs”

Concept

Archived TV programs evoke earlier times. This application combines a video and music archive with an immersive screen and a simple user interface suitable for everyone from children to the elderly, to create a “Time Machine” effect.

The only key for exploring is the user’s age. People can enjoy over 1300 TV programs from the last seven decades without having to do tedious text searches.

This is not a conventional search engine with text input, but a catalogue which intuitively guides the user only with images.

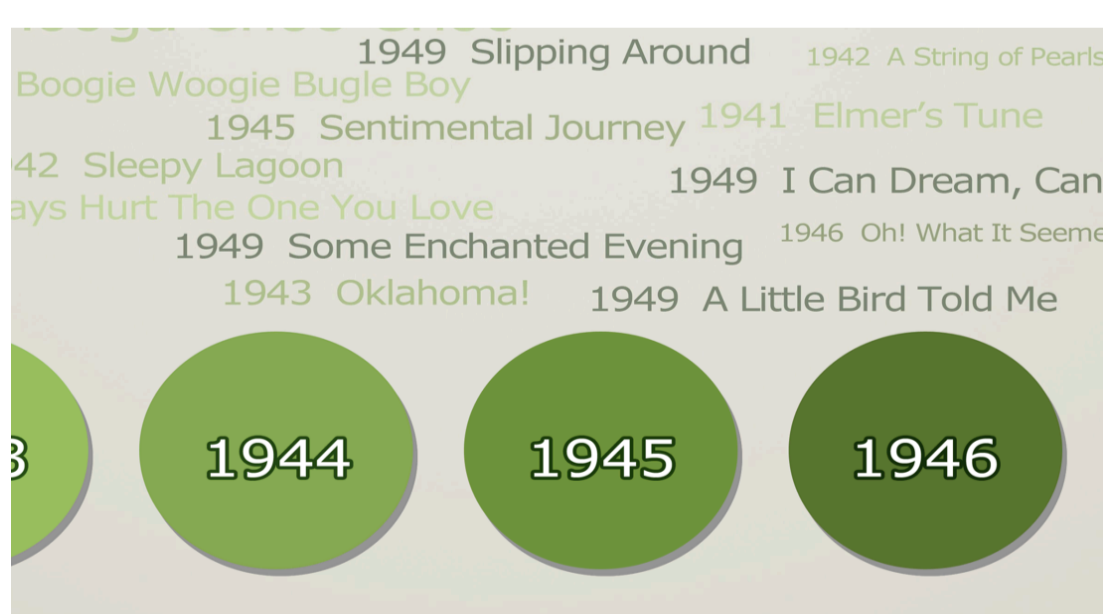
The image array (64 different videos on one screen at the same time) can simplify navigation and make it immediate, rather than reference it to previous screens.

8K Display

The highest resolution consumer video display (33M pixels, 7680 x 4320 = 16times that of HD), an 8K screen can show 64 simultaneous video images on one screen in SDTV quality.



The high pixel density also creates printed-paper-crisp letters and no flickering- which is gentle to the user’s eyes.



The Family Friendly UI

The simple touch interface (no keyboard & no mouse) and the “ 64 image list” are easy to operate for the those without computer experience, such as the elderly, but efficient for any user.

Architecture

The 8K TIME MACHINE is a HTML5 web application, which can be executed in ordinary browsers, such as Firefox.

A canvas animation method, by employing sequential frame images (converted from video files), reduces memory usage and improves performance.

With this approach, we can play 64 different videos in one browser window – potentially even 256.

Potential Fields

This system demonstrates the information density of the 8K display, which could also be applied to...

- Digital signage
- Video monitoring system
- Museum exhibitions
- Sports event at multiple venues, such as the Olympics

Combined with intelligent image processing, the 8K screen can be an effective tool for managing a large amount of streaming imagery in many fields.

Virtual Companion “Telly”

“Telly” (=“Television” in English) will continue to develop more interactive features in future.

With access to the metadata of TV programs, Telly can respond expressively depending on content (e.g. blushing during love scenes or becoming excited during action scenes). Telly can also react to external events, for example becoming more sleepy later in the evening.

