



Case Study

Face recognition technology

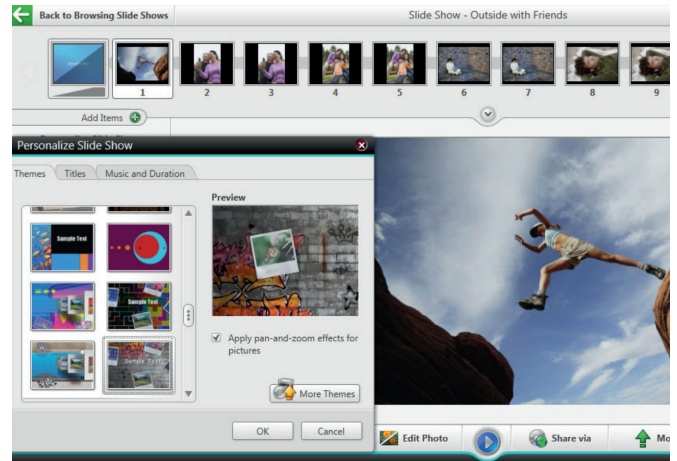
for photo sorting and indexing - Nero HomeMedia

The problem

The Nero MediaHome platform currently enables 130,000 customers per month to access, sort, enhance and share their digital content across PCs, smart phones, tablets and online social networks.

Users amass large collections of photos, and can sort them in various ways, but often want to find images that show the same person across multiple datasets.

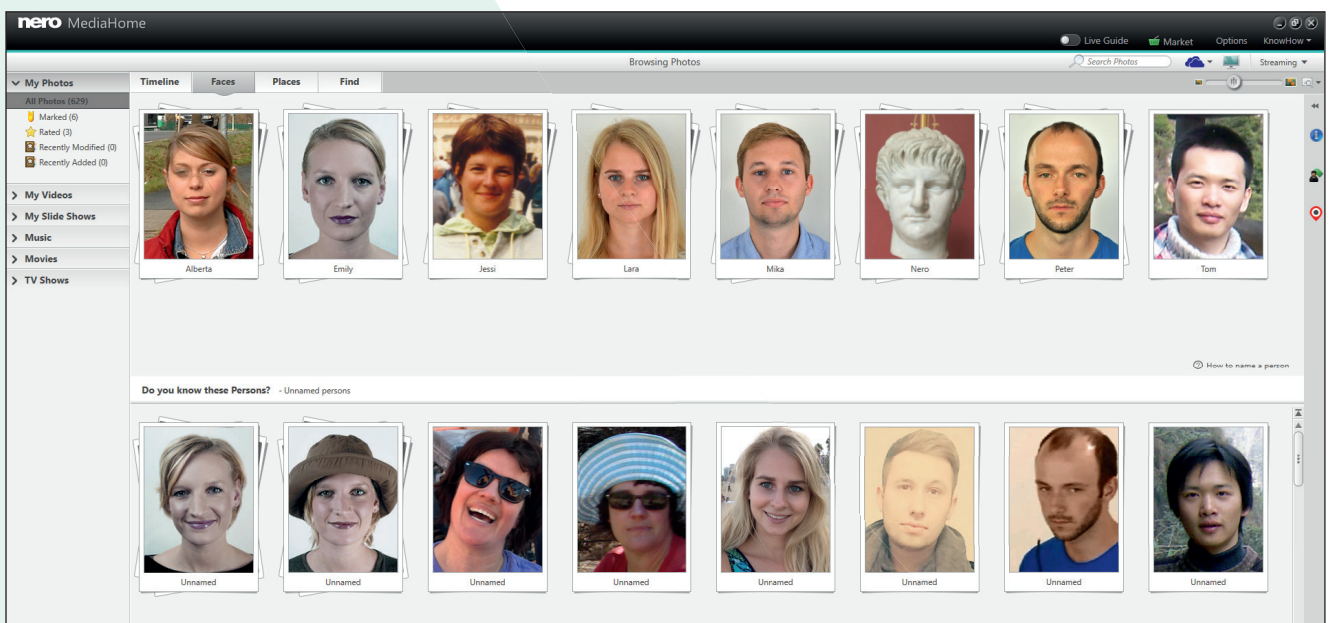
Combing through thousands of photos for images of a particular person can take hours. A tiresome, time-consuming task indeed!



The solution

In 2011, Nero integrated Cognitec 's face recognition technology to automate finding faces of the same person in photos. The software shows the pictures in stacks sorted by person. The user can review grouped images, and then name and save the album.

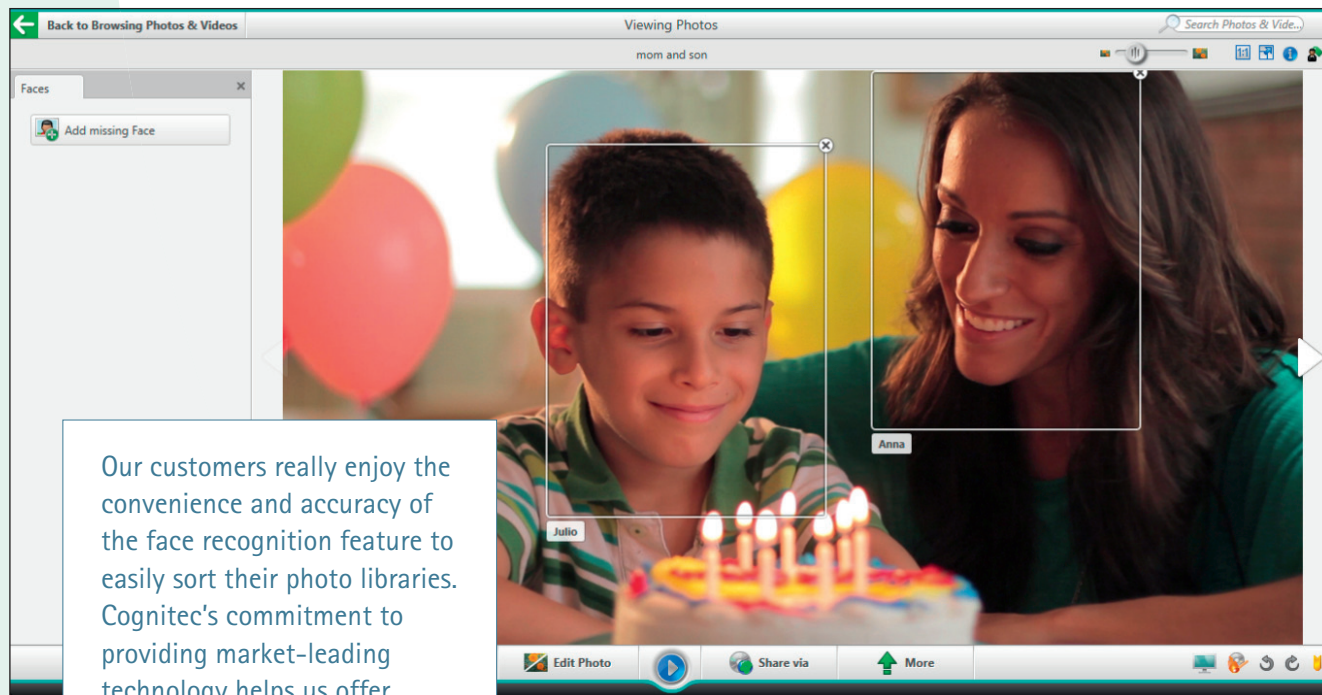
The software also suggests further images that might match the person(s) already detected, prompting the user to confirm the identity and drag these thumbnails or stacks from the list of unnamed persons to the stacks of already recognized and named faces.



The advantages

Sorting large quantities of images by person enables users to quickly produce slide shows specific to an individual, ready to run on PCs, TVs and social media. In addition, users can easily assemble and save an album for a particular person.

The more photos a user tags, the more accurately the software will match new faces and make suggestions. Finding faces and eyes also supports various image enhancement features, such as red-eye reduction and facial correction.



Our customers really enjoy the convenience and accuracy of the face recognition feature to easily sort their photo libraries. Cognitec's commitment to providing market-leading technology helps us offer premium product features to Nero users."

- Oliver Schneider, VP Suite Business

All screenshots from the Nero MediaHome platform © Nero AG, 2019

The technology

In 2019, Nero upgraded their software package with Cognitec's latest matching algorithm, the FaceVACS Engine 9.4.

The new MediaHome version now finds 6% more faces, and the suggestions for the same person have increased by 79%. Overall, the application is showing higher accuracy rates when matching faces.

Cognitec's FaceVACS Engine enables clients worldwide to develop new face recognition applications. The technology is available via customized SDKs (software development kits), with a set of functions and modules specific to each use case and computing platform.

Please contact us for more details about this use case and our technology: sales@cognitec.com

Cognitec develops market-leading face recognition technologies and applications for enterprise and government customers around the world. Various independent evaluation tests have proven the premier performance of the FaceVACS® software. Cognitec's portfolio includes products for facial image database search, recorded video investigation, real-time video screening and people analytics, border control, ICAO compliant photo capturing and facial image quality assessment. Corporate headquarters are located in Dresden, Germany; other offices in Rockland, MA, USA and Sydney, Australia.



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