



Media Release

Cognitec Adds 3D Capability to its Leading Edge Face Recognition Technology

Dresden / Herndon, April 11, 2005 - Cognitec Systems, the leading provider of face recognition technology and systems, announced today that the company has added new capabilities to its FaceVACS® technology to process 3-dimensional sensor data in addition to standard digital images.

Cognitec is including 3D data processing functionality in a new version of its well established and widely recognized FaceVACS-SDK Software Development Kit which is now available to partners. This new release 4.0 is a logical extension of the existing versions of FaceVACS-SDK. It enables systems integrators to take advantage of integrating 3D sensors into their products and solutions.

So-called 3D sensors have been offered by specialized device manufacturers for some time. Recently, some of those sensors have become suitable for face recognition in terms of resolution, speed, and price. 3D sensors measure the 'depth' or 'range' information of an object so that its shape can be derived.

Face recognition systems up to now have used standard digital cameras producing color or grey-value images. Cognitec's technology has been recognized by independent government testing as providing the best recognition performance available on the market today, based on conventional facial images. Combining the processing of standard digital images with 3D data processing will further boost this performance.

More specifically, the use of 3D sensor information can considerably enhance recognition performance in cases where difficult lighting situations and pose variations occur. This is especially useful in outdoor scenarios and with non-cooperative or casual users.

Frank Weber, Cognitec's Director of Algorithm Development says: 'We ran experiments with 3D data obtained from a range of different sensors. With our fusion algorithm, the combination of 2D and 3D data processing often led to significantly better recognition performance, in particular for images with difficult illumination or non-frontal poses. Those results could only be achieved by applying the same pattern recognition principles and techniques to 3D data that have proven to be very worthwhile for conventional 2D images and that are the result of our long-standing experience in that field.'

Alfredo Herrera, Cognitec's Managing Director, adds: 'Cognitec's goal has always been to provide the best face recognition technology on the market. The extension of our algorithms to also process 3D data will maintain and extend our leadership.'



Media Release

These new capabilities and an increasing availability of 3D sensors will certainly further broaden the market for face recognition systems.'

About Cognitec

Cognitec Systems, with headquarters in Dresden, Germany, and offices in Herndon, VA, Miami, FL, and Rio de Janeiro, Brazil, develops and markets the well-established and world-leading FaceVACS® face recognition software. Cognitec's software experts have been developing face recognition technology since 1995. In various independent evaluation tests including the Face Recognition Vendor Test 2002, FaceVACS® has proven to be the leading technology available on the market. With its products FaceVACS-Entry for access and border control, FaceVACS-DBScan for database search, FaceVACS-Acquisition for ID photo capturing, FaceVACS-Alert for video surveillance, and FaceVACS-SDK as a software developers kit for integrators, Cognitec has deployed numerous systems for customers from government and industry.

Cognitec Systems GmbH

An der Flutrinne 12 D-01139 Dresden, Germany

Cognitec Systems Corporation

13800 Coppermine Road, Herndon, VA 20171

info@cognitec.com www.cognitec.com
Contact : Jürgen Pampus, VP Sales & Marketing
pampus@cognitec.com Phone: +49-351-862-9212