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Cognimatics, the leader in Cognitive Vision, is dedicated to providing efficient and innovative products within its two business segments - Mobile Communications and Intelligent Surveillance.



Cognimatics FaceWarp™ 1.0

Product Overview
Cognimatics Personal applications

Cognimatics FaceWarp™ Automatic and intelligent face twister



Turn yourself or your friends into crazies from ordinary pictures by using Cognimatics FaceWarp™. Only the faces are deformed leaving the rest of the picture intact.

Cognimatics FaceWarp™ is a unique software for camera phones. Using leading image processing technology, it offers one of the funniest products on the market today. Fully automatically, it finds the faces in pictures and deforms them using an extensive library of warp filters.

Having fun with friends or family is easy with FaceWarp. Use it at school, at work, anytime and anywhere. FaceWarp is a given success, today found in millions of handsets world wide.

Cognimatics FaceWarp™ enhances your photo experience and creates extra value for camera phones, encouraging users to send more photos and consequently stimulate MMS and other mobile data traffic.

System overview

Based on Cognimatics' leading patent pending technology for Cognitive Vision, Cognimatics FaceWarp™ detects the positions of the faces in a picture. Without the need for any manual interaction the faces are distorted, while leaving the rest of the image intact, giving a seamless and funny looking result. Cognimatics FaceWarp™ software package includes:

- Engine for detecting faces.
- Library of warp filters.

Design tool

Cognimatics FaceWarp™ is provided together with a powerful software tool for designing and deploying new filters. By using the design tool you can easily create new filters that are certified by Cognimatics and that will be in the correct format for working properly with Cognimatics FaceWarp™ engine. Cognimatics FaceWarp™ Design Tool requires PC running Windows XP and having an Internet connection.

Features

- Superior accuracy for face detection.
- Fully Automatic and optimal application of warping filters to faces.
- Library of 16 filters.
- Works on pictures with single or multiple faces.
- Design tool for creating new FaceWarp filters and for certification.



Specifications

- Fixed point arithmetic and standard C code making it ideal for constrained platforms.
- Memory requirements: ~100 KB ROM.
- Platform: ARM 9 or higher.
- API is provided for easy integration.
- Suitable for mega pixel images.
- Based on patent pending technology.



Cognimatics FaceWarp™ can be applied in combination with other Cognimatics filters like for example speech bubbles.

CONTACT INFORMATION

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ABOUT COGNIMATICS

Cognimatics, the leader in Cognitive Vision, has its roots at the Mathematical Department at Lund University, Sweden. Having a team of senior researchers with more than a decade of experience from Cognitive Vision, Cognimatics' technology is built on a solid and sound scientific foundation.

COMPANY MISSION

Cognimatics works in close cooperation with the university to take new results from research to the market efficiently.

COGNITIVE VISION

Cognitive vision is a field of research, where the aim is to teach computers to interpret images intelligently like humans do. It involves detecting people in pictures, finding objects in pictures, tracking objects and detecting events in video streams. Cognimatics, the leader in Cognitive Vision, is dedicated to providing efficient and innovative products within its two business segments - Mobile Communications and Intelligent Surveillance.

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