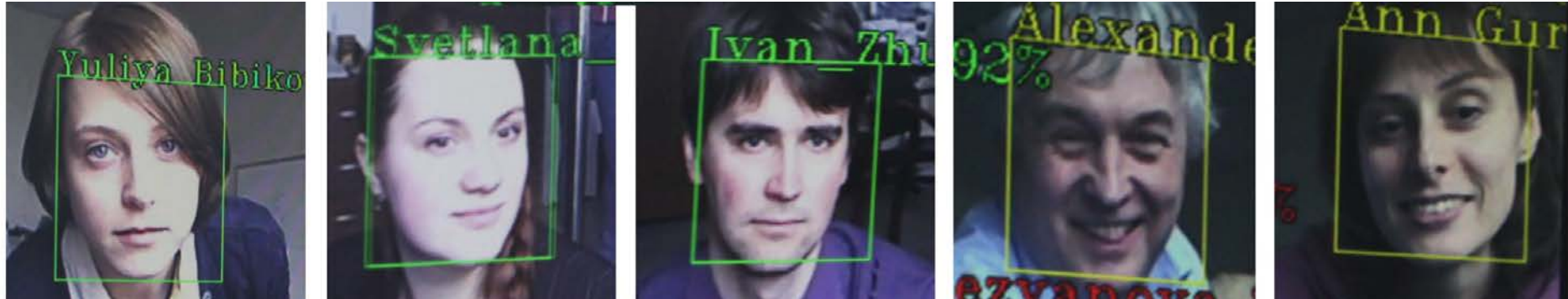


VOCORD NanoFace

Embedded “ready-to-use” solution for facial recognition



VOCORD

VIDEO SURVEILLANCE AND
AUDIO RECORDING SYSTEMS

VOCORD NanoFace in summary



Facial recognition comes to mass market

Biometric facial recognition solutions are not so complicated and expensive anymore!

With the appearance of VOCORD NanoFace biometric becomes affordable not only for public security sector, but for wide number of companies.

Facial recognition discovers new opportunities for service improvement, enhancing security and automatization of business processes.

Applications



Access control



Time attendance



ATM and POS-terminals



Robotics



Police portable recorders



MMI (man-machine interfaces)

The solution

Compact and powerful HW platform



VOCORD NanoFace based on NVIDIA HW platforms. This is one of the best embedded platform for GPU-accelerated parallel processing with full support of NVIDIA CUDA technology.

Cutting edge facial recognition technology



VOCORD NanoFace uses based on deep-learning neural network rapid algorithm, that has been tailored for identification tasks.

IP or UBS-camera



Works with any digital or IP-cameras, including USB web-cameras. No settings is required, just plug and play

Features of VOCORD NanoFace

Recognition takes less than one second

The algorithm is designed for super rapid recognition. Calculation of biometric template takes 0,7 s, speed of comparison against a database is millions operations per one second.

High accuracy of recognition

Modern neural network algorithms perform accurate recognition even web-cameras are used. Algorithms ensure FAR (False Accept Rate) = 0,000001*



Self-learning system

The accuracy of your facial recognition system increases instantly while you use it, because deep-learning networks are able to «train itself» for the exact enrollment database, improving the accuracy.

Cooperative recognition

VOCORD NanoFace is designed for cooperative facial recognition such as: access control systems, ATMs, time of attendance, robotics, interactive interfaces etc.

Automatic age and gender recognition (optional)

* - FAR= 10^{-6} when FRR = 10^{-2} (test DB is 1000 faces)

Advantages

- Multipurposed embedded device that could be in-built practically anywhere and supports any USB-cameras
- Low power consumption: VOCORD NanoFace operates on AC 12V
- Affordable price
- Small weight and dimensions

Company profile

- Since 1999 on the security market
- Technological leader in smart video surveillance and image recognition (ALPR and Facial biometrics)
- Compliance with ONVIF open international standards
- Resident of Skolkovo Foundation, participant of Russian biometric society
- More than 120 employees (~80% - engineers and developers)



Contacts



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