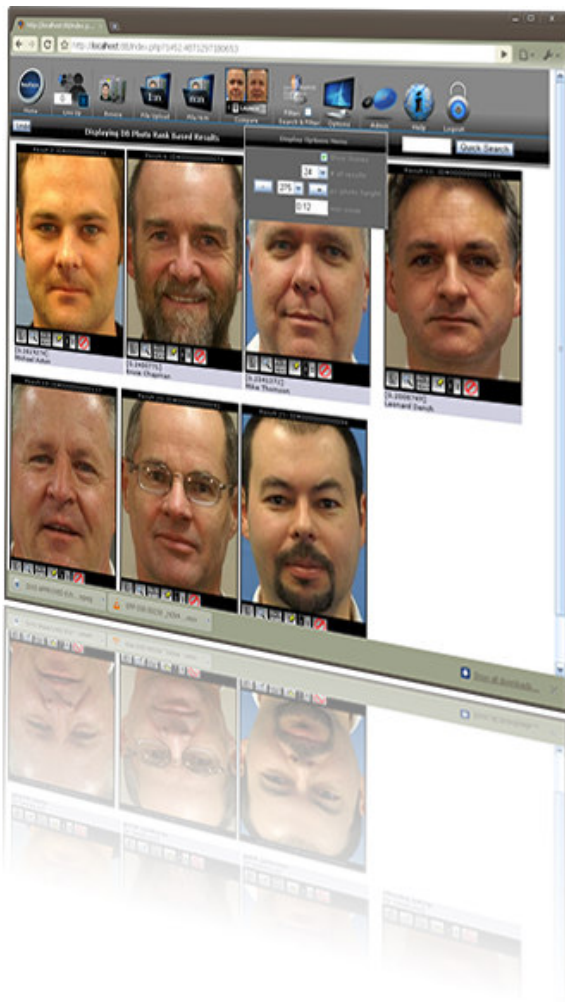


NeoFace

Facial Recognition



Face Detection

Identification

Verification

Capture with Quality Checking and Improvements

1:1, 1:n and n:n Facial Matching

Web Interfaces

Scalable with an Unlimited Database Size

2d Facial Recognition with 3d Compensation

Post Event Searching

Early Warning Alerts

Matching up to 1,000,000 Faces per Second





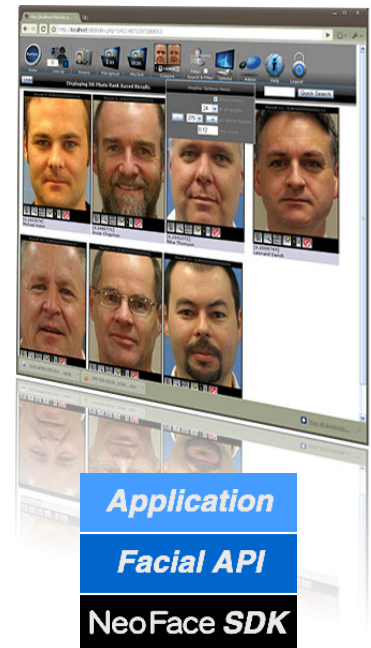
NEC has developed biometric technologies for more than 30 years and has solutions used by more than 1000 customers in over 30 countries worldwide. With the proven world No.1 fingerprint technology NEC is in the business of making the once dreamt of Sci-Fi technologies available today!

Striving to have the best performing technologies and to be the leading integration partner our commitment in R&D has resulted in technologies such as behaviour recognition, age and gender recognition and NeoFace[®] - Facial Recognition. Compared with other biometrics like using fingerprint, palm print and iris, face recognition has distinct advantages because of its non-contact process. NeoFace[®] can be used in everyday tasks that can be automated, authenticated or enhanced, providing everyday people a better quality of life and an improved level of security.

Door access, border control, immigration, CCTV surveillance and law enforcement are just some of the areas NeoFace[®] is being used worldwide.

NeoFace[®] Applications:

- National ID Documents
- Border Control & Management
- Access to Sensitive Zones or Networks
- Airport Security Management
- Criminology Work
- Prison Management
- CCTV and Intelligence Gathering
- VIP and Customer Welcome
- Web Based Applications
- Mobile/PDA Applications
- Automation, Office and Educational Solutions
- Fun and Interactive Solutions



NeoFace[®] Engine Technical Highlights

- 1:1 Verification
- 1:n Identification
- GLVQ based multiple matching face detection
- Recognition based on neural network technology
- Head, Face and Eye position detection
- Image resolutions of up to 2,147,483,647 x 2,147,483,647 pixels
- Recognition regardless of vantage point and facial changes (glasses, beard, and expression)
- Extraction of similar facial areas
- Flexible integration into many types of video monitoring systems
- Supporting diverse graphic and video formats as well as live cameras
- Matching speed of up to 1,000,000 faces per second
- Infra-red camera support

Access Control



Access Control with time and attendance, logging of failed and granted access, RFID option, customisable buttons, infrared lighting and more...

CCTV & Surveillance



Surveillance with huge time saving features like post event searching, early warning alerts and image quality control.

Identification and Verification



Customised identification and verification solutions with flexible hardware and No.1 algorithms for quality checking and matching.

Law Enforcement



Mugshot uploading, 1:1, 1:n and n:n matching, enrolment, line-up creation, manual comparison tools, fast response times...

*For NIST results see: http://face.nist.gov/mbc/MBE_2D_face_report_NISTIR_7709.pdf and http://face.nist.gov/mbgc/mbgc_presentations.htm