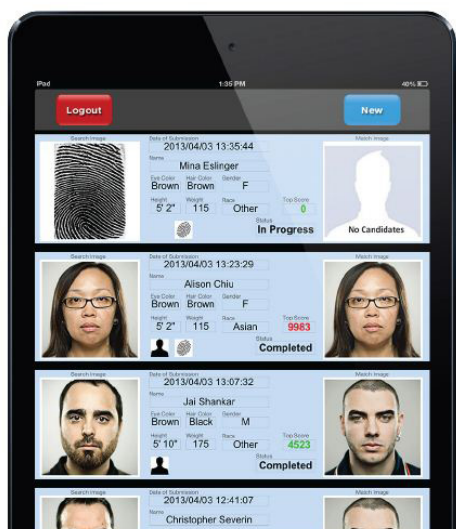**NEC**

Positive identification and crime scene investigation tools using smartphones and tablets
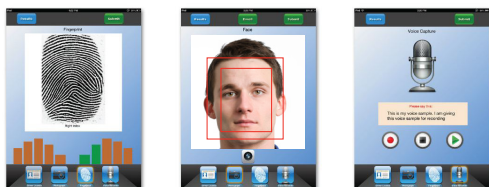
NeoFace Smart ID

At a glance

- Multi-modal biometric capture, including face, finger, and voice
- Latent capture and processing for field identification
- Local watch list capability on the device
- Local and remote biometric search
- Available fleet and device management via NEC AFIS or NeoFace Server with iESB
- Available third party biometric attachments for fingerprint and latent capture
- Available Credential Reading, including Driver's License, Barcode, and Magnetic Stripe
- OS agnostic, including iOS, Android, and Windows
- Flexible application software licensing.

Overview

In response to the advancement, proliferation, and widespread adoption of smartphone and tablet devices, NEC has developed mobile solutions to support law enforcement, public safety, and security agencies with their field operations.

NEC's NeoFace solution suite is the most accurate fingerprint and facial recognition software available today, as independently tested by the U.S. National Institute of Standards and Technology (NIST). Recent NIST facial evaluation demonstrated that NEC's NeoFace solution provides the fastest matching capability while remaining resistant to variants in angle, age, gender, and race.

NEC's NeoFace Smart ID is a suite of mobile software applications for biometric capture that can be used to rapidly identify suspects and victims in the field as well as collect crime scene evidence to help investigators solve crimes.

Solution

NeoFace Smart ID is a mobile application for Commercial-Off-The-Shelf (COTS) smartphones and tablets equipped with multi-biometric capture capability. NEC's NeoFace Smart ID can capture facial images, fingerprints, and voice in addition to descriptive data.

The solution allows operators in the field to rapidly identify persons without ID credentials based upon an AFIS or facial recognition search. Also, skilled operators can use NeoFace Smart ID to collect evidence at crime scenes and, if necessary, perform lights-out latent searches of the AFIS to expedite the success of their investigations. The NEC NeoFace Smart ID can be employed in the NeoFace systems, existing NEC Integra-ID AFIS solutions, or selectively in ANSI/NIST ITL or NIST WS-BD environments.

When integrated with an NEC system via Identity Enterprise Service Bus (iESB), the added value features of advanced authentication, device management, and watch list creation are available to the NeoFace Smart ID users.

NEC Australia
au.nec.com

What NeoFace Smart ID delivers

NEC' NeoFace Smart ID provides mobile software for smartphones and tablets. The software takes advantage of the mobile operating system's ease of use for touch and gesture control. NeoFace Smart ID can be used for both mobile identification and crime scene investigation.

NEC's NeoFace Smart ID can capture, acquire or support the entry of the following types of data:

- Facial images as well as profiles, scars, marks, and tattoos
- Fingerprints, including evidence, latent prints, rolls and flats depending upon biometric capture attachment
- Credential reading, including barcodes, magnetic stripes, and encoded data from smart cards
- Biographic, demographic, incident, and transactional data
- Voice from potential suspect or witness interviews
- Other crime scene evidence, including latents.

Unsurpassed accuracy and speed

The strength of NEC's NeoFace technology lies in its tolerance of poor quality. Highly compressed surveillance videos and images, previously considered of little or no value, are now usable evidence and leading to higher rates of positive identification.

With its ability to match low resolution facial images down to 24 pixels between the eyes, NEC's NeoFace technology outperforms all other facial recognition systems in matching accuracy. While searching of latent fingerprints at crime scenes is standard, NeoFace facial recognition technology can now positively identify latent photos with a high degree of accuracy.

Key features and benefits

- Easy and effective to use
- Expedition of identification and investigative workflows
- Highly scalable and extendible
- Integration into specific business processes possible as a result of components based development with interfacing possibilities.

Why choose NEC?

NEC facial recognition technology is widely regarded as the world's best in terms of both accuracy and speed.

NEC was ranked #1 in 3 consecutive facial recognition benchmark tests conducted by the National Institute of Standards and Technology (NIST), exceeding all other vendors in both accuracy and speed by a large margin.*
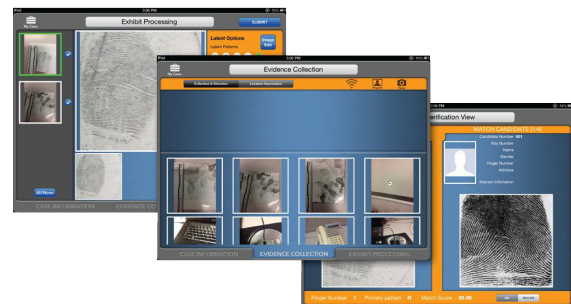
Best accuracy

- #1 in matching high resolution image
- #1 in matching low resolution image
- High matching accuracy with images of different lighting and angles from original images

Fastest matching speed

- 6 Million matches per second (against 1.6 million records)

* http://biometrics.nist.gov/cs_links/face/frvt/frvt2013/NIST_8009.pdf

For more information, visit au.nec.com, email contactus@nec.com.au or call 131 632

Australia	Corporate Headquarters (Japan)	North America (USA)	Asia Pacific (AP)	Europe (EMEA)
NEC Australia Pty Ltd	NEC Corporation	NEC Corporation of America	NEC Asia Pacific	NEC Enterprise Solutions
au.nec.com	www.nec.com	www.necam.com	www.nec.com.sg	www.nec-enterprise.com

About NEC Australia. NEC Australia is a leading technology company, delivering a complete portfolio of ICT solutions and services to large enterprise, small business and government organisations. We deliver innovative solutions to help customers gain greater business value from their technology investments.

NEC Australia specialises in information and communications technology solutions and services in multi-vendor environments. Solutions and services include: IT applications and solutions development, unified communications, complex communications solutions, network solutions, display solutions, identity management, research and development services, systems integration and professional, technical and managed services.

NeoFace Smart ID │ v.06.11.14