

## Positive, Multimodal Biometric Identification Using Smartphones and Tablets

# NeoFace® Smart ID



### At a Glance

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- Multimodal biometric image capture and processing of face, finger, iris and voice
- Capture biographic and demographic data from Driver Licenses, ID Cards and MRTDs
- Create, manage and search a local watch list
- Submit to any NEC or ANSI/NIST compatible biometric system for remote search and results
- Works with any Apple® or Android® mobile device

### Overview

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NEC's NeoFace Smart ID mobile, biometric identification solution is designed to assist law enforcement, public-safety and security agencies working in the field to capture multimodal biometrics in the field for identification and enrollment purposes. As part of the NEC NeoFace application suite, NeoFace Smart ID solution is the most accurate mobile fingerprint and facial recognition application available today as independently tested by the U.S. National Institute of Standards and Technology (NIST). Recent NIST facial and fingerprint evaluations demonstrated that NEC's NeoFace solution provides the fastest matching capability while remaining tolerant to variants in age, gender, and race, as well as angle of capture<sup>23</sup>.

NEC's NeoFace Smart ID solution enables officers to capture and access critical data from a smartphone or tablet, improving response times, efficiency and safety during field operations. The solution 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

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The NEC NeoFace Smart ID solution is a mobile application for commercial-off-the-shelf (COTS) smartphones and tablets. The solution enables users to capture multimodal biometric data, including fingerprint,

facial images and voice. The solution also allows users in the field to rapidly identify possible suspects and victims without ID credentials using a fingerprint or facial recognition search.

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<sup>1</sup> NIST Interagency Report for "Faces in Video Evaluation": NISTIR 8713

<sup>2</sup> NIST Interagency Report for "Face Recognition Vendor Test 2013": NISTIR 8052

<sup>3</sup> NIST Interagency Report for "Fingerprint: Vendor Technology Evaluation 2012": NISTIR 8034

## Mobile Biometric Solution in Your Hand

NeoFace Smart ID can work with any Android, Apple or Biometric All in One (AIO) device. It can also work with any Biometric Capture Peripheral (BCP) such as NEC's NeoScan 45. Together the hardware and software components allow an operator to capture biometrics for potential identification or enrollment in the field away from the central facility or office. Accurately identifying potential person of interests, offenders or suspects saves time and increases value because it minimizes time spent completing paperwork or other mundane tasks. The benefit of a biometric enabled watch list (BEWL) on the device promotes community policing and can provide security for special events.



## Complete Customer Care

NEC's U.S.-based NEC Customer Service Centers provide comprehensive 24/7 multitier customer support for problem tracking and resolution, as well as advanced remote diagnostics. Highly experienced engineers and developers provide technical support and troubleshooting services to ensure that our customers get the information and help they need without delay.

## Innovative Force in Identification

For more than 30 years, NEC has been a world leader in integrated, high availability biometric identification systems. The unparalleled identification matching accuracy and speed of our fingerprint and facial recognition technologies have been independently verified by NIST. NEC globally provides "Solutions for Society" that promote the safety, security, efficiency, and equality of society. Under the company's corporate message of "Orchestrating a brighter world," NEC aims to help solve a wide range of challenging issues and to create new social value for the changing world of tomorrow.

## Proven Benefits

- **Power of Positive Identification:**  
Capture and Identify Persons using Facial Recognition, Fingerprint Identification and Iris Recognition
- **Convenience:**  
Use hand held smartphones and tablets in the field, not the office, to get the job done in the moment and on the spot
- **Added-Value:**  
Identification of the person upfront results in economy, efficiencies and effectiveness for agency to get more work done downstream in related operations or in other areas

## Technical Features

Biometric Modalities	Facial Image Capture, BEWL Search & Remote Search Fingerprint Image Capture & Remote Search Iris Image Capture & Remote Search Voice Audio Capture & Remote Search	
Data Entry/Reading	Alphanumeric Data Entry Magstripe Reading Barcode Decoding MRZ Reading	
Networking Compatibility	3G/4G/5G Cellular Bluetooth and USB WiFi (IEEE 802.11 b/g/n)	
Gateway Compatibility	NEC's Integra-ID and Smart EMS Aware BioSP Mobile Gateway MobileIron EMM VMWare AirWatch	
Biometric and Mobile Devices Compatibility	AIO or COTS Devices: NEC Terrain Apple iPad and iPhones Credence ID One, Two and Trident Crossmatch Verifier Sentry LG G Pad Models Panasonic Android ToughPad Models Samsung Galaxy Models Tascent M6s	BCP Peripherals: NEC NeoScan 45 Crossmatch Verifier Mw IB Watson, Five-O and KOJAK
OS Support	Android V4, V5, V6, V7 and V8 Apple iOS 9, 10 and 11	

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