

NeoFace Reveal by NEC

Forensic facial recognition. Advanced enhancement. Faster investigations.

The Challenge: Difficult imagery can slow investigations

Investigators and identity teams often need to work with facial images captured in less-than-ideal conditions, where low resolution, compression, pose angles or background noise can limit their usefulness.

Manual review across large image repositories can also slow investigations and increase examiner effort.

Agencies need forensic facial recognition that can enhance difficult probe images, search large databases efficiently and support structured human verification with a complete audit trail.

24 Pixels
between the eyes

Supports matching of low-resolution

1B+ Image
database
scale

Search repositories from thousands to more than a billion images

The Solution: NeoFace Reveal by NEC



NEC NeoFace Reveal is a forensic facial recognition application designed for law enforcement, crime laboratories and civil applicant processing agencies.

It supports one-to-many (1:N) searches and one-to-one (1:1) comparisons, returning ranked candidate lists for examiner review and detailed verification.

Extensive enhancement tools help improve poor-quality probe images, while integrated case management maintains a complete audit trail from case entry and search submission through review and disposition.

Proven Capabilities

1

Forensic face search

Search databases from thousands to over one billion images using 1:N or 1:1 matching.

2

Advanced image enhancement

Enhance poor-quality probes using crop, rotate, brightness, contrast, sharpening and noise reduction.

3

Ranked candidate review

Return ranked potential matches for rapid examiner assessment and detailed comparison.

4

Morphological analysis

Use FISWG-compliant tools to compare facial areas and support detailed verification.

5

Video face de-clustering

Detect dissimilar faces across video frames and cross-search against master galleries.

6

Case and audit management

Maintain evidence, case records, galleries and a complete audit trail through review and disposition.

Business Benefits



Accelerate investigations

Narrow large image and video sets to ranked candidates for faster review.



Enhance difficult imagery

Improve low-quality or angled probes for more effective search and comparison.



Support examiner review

Use structured verification, morphological analysis and complete audit trails.



Scale to agency needs

Search large databases and support multiple image and video formats.

What Sets NeoFace Reveal Apart

NeoFace Reveal combines forensic facial recognition, advanced image enhancement, examiner verification and case management within a single investigative application.

Its ability to work with challenging probe images, search very large databases and support FISWG-compliant morphological analysis gives examiners a structured workflow from search through verification.

EverBlu algorithm and application updates help keep Reveal aligned with NEC's latest facial recognition technology.

Why NEC?

NEC has more than three decades of experience developing facial recognition technology for government, public safety and identity environments.

Our expertise combines independently evaluated facial recognition with the integration, security and operational knowledge required to support demanding investigative and identity workflows.

Advance forensic facial identification

Talk to NEC about how NeoFace Reveal can support faster investigations, identity verification and fraud detection.

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