

**NEC**

Orchestrating a brighter world

NEC Investigative Ecosystem: Smarter Tools for Safer Communities

NEC Reveal - Mugshot Investigator

AT A GLANCE

Efficiency

Eliminate duplicates and poor-quality images

Accuracy

Fast, reliable suspect ID with facial recognition

Accountability

Full audit trails and role-based access

Compliance

CJIS, state, and local privacy law alignment

Scalability

From local departments to statewide deployments

OVERVIEW

Duplicate and faulty mugshots stall investigations, leaving investigators guessing instead of proving.

NEC Reveal - Mugshot Investigator is a secure, cloud-based platform built for modern law enforcement. Accessible from anywhere, it streamlines investigations, accelerates identification, and supports modular upgrades – including NEC Reveal for forensic-grade facial recognition and BLTN for real-time intelligence sharing with other law enforcement agencies.

SOLUTION

1 Unified Case Management

All case files in one place. Track chain of custody and move faster with no system switching.

2 Facial Recognition Integration

Upgrade instantly to NEC Reveal, NIST-validated* and trusted worldwide for accuracy.

3 Fast Photo Access

Pull booking images in seconds.

4 Interoperability & Vendor Neutrality

Works with your current systems and workflows.

5 Cross-Agency Collaboration

Capability to search across jurisdictions. Share data statewide in real time.

6 Human + AI Intelligence

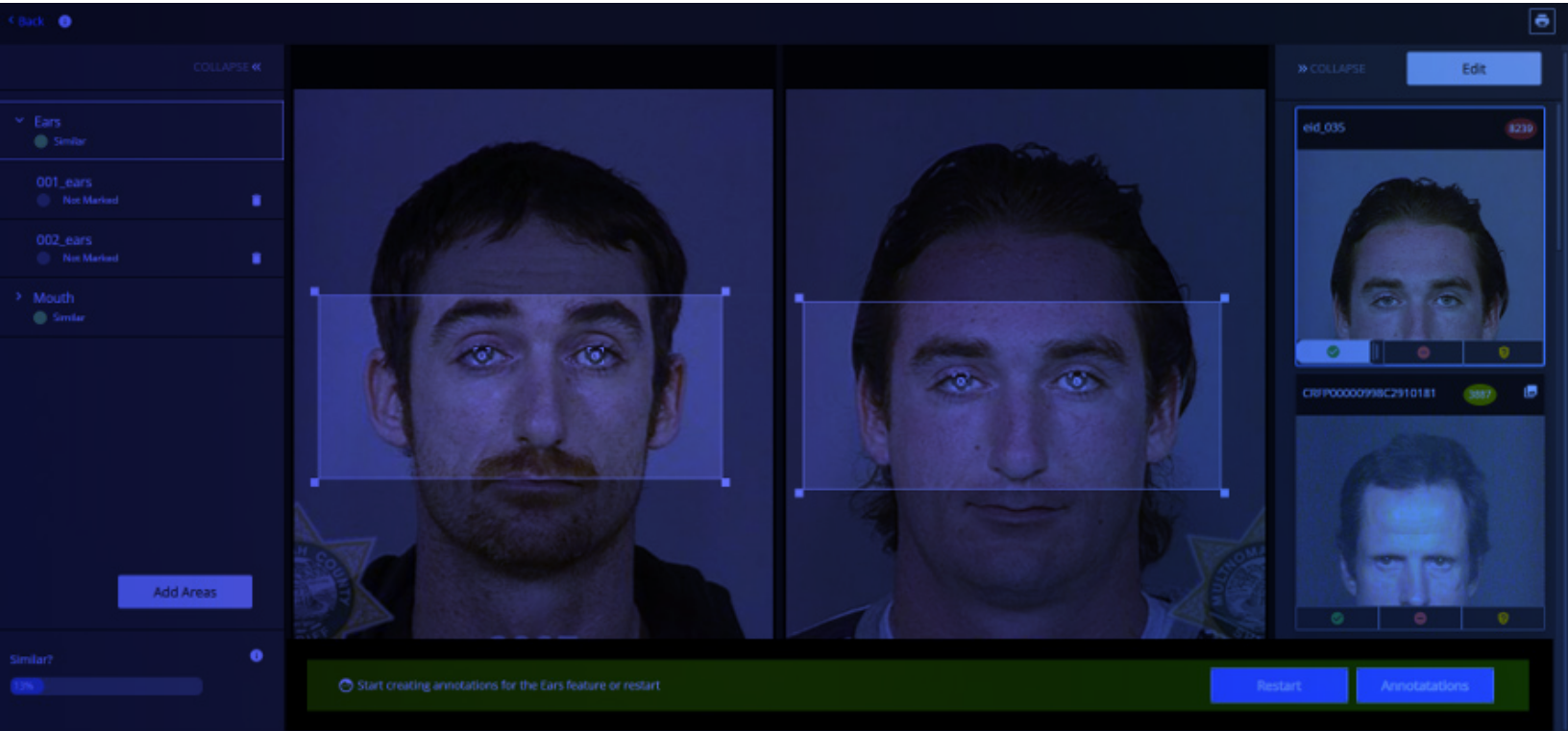
Combine investigator expertise with AI-powered matching, lineup generation, and analytics – built with ethical safeguards and bias monitoring.

FEATURE HIGHLIGHTS

FEATURE	DESCRIPTION
Secure Database	Encrypted, CJIS-compliant storage with disaster recovery
Automated Intake	Real-time image quality checks during booking
Advanced Demographic Search	Query by name, alias, descriptors, charges, or history
AI-Driven Analytics	Optional suspect ID, gang alerts, and lineup creation
Metadata Linking	Connect mugshots to fingerprints, reports, and bodycam footage
Audit Controls	Role-based access with full activity logs and alerts
Court Integration	Secure sharing with prosecutors, probation, and parole officers
Privacy & Expungement	Automated workflows for sealing/deletion
Public Release Governance	Policy-based automation and redaction tools

SEAMLESS UPGRADE PATH

Enhance Mugshot Investigator with NEC Reveal – Complete, the best-in-class facial recognition trusted worldwide for speed, precision, and reliability.



NEC REVEAL - COMPLETE

Powered by NeoFace® Technology

AT A GLANCE

- » High-accuracy facial recognition for suspect and victim ID
- » Tools to clean up poor-quality video and images
- » Expert-level verification with FISWG-compliant analysis
- » #1 in speed and accuracy - validated by NIST*
- » Lifetime algorithm upgrades with EverBlu Algorithm
- » Case tracking with full audit logs
- » Custom workflows to fit agency needs
- » Handles billions of records with no loss in performance
- » Secure, web-based access from anywhere
- » Speeds up investigations, ID checks, and fraud prevention

OVERVIEW

NEC Reveal – Complete is a mission-critical solution within NEC’s investigative ecosystem, built to deliver speed, precision, and accountability. From suspect identification to fraud detection, Reveal empowers agencies to act decisively when every second counts.

- » Detect and prevent identity fraud at intake
- » Solve cases faster with enhanced image and video analysis
- » Maintain transparency with full auditability
- » Defend outcomes with industry-leading accuracy

SOLUTION

FEATURE	DESCRIPTION
1:N & 1:1 Matching	Search across databases from thousands to billions of images
Quick Search	Lights-out probe acquisition for rapid deployment
Expanded Morphological Analysis	FISWG-compliant forensic verification tools
Image Enhancement	Crop, sharpen, de-noise, and optimize poor-quality images
Video Face De-Clustering	Extract and cross-search faces from video frames
Photobooks & Lineups	Build galleries and witness lineups for casework
Multi-Format Support	Supports JPEG, TIFF, MPEG, EBTS, XML, and more
Audit Trails	End-to-end tracking from case entry to resolution

INDUSTRY-LEADING PERFORMANCE

Reveal matches faces with as few as 24 pixels between the eyes – transforming low-res surveillance into actionable evidence. It's proven to outperform all competitors in NIST* testing and remains resilient across age, race, and pose variation.

CLOUD-NATIVE & FUTURE-READY

Built on Microsoft® Azure®, Reveal offers a streamlined UI, simplified workflows, and reduced total cost of ownership. Upcoming enhancements include:

- » **EverBlu Algorithm:** Lifetime updates
- » **Biometric Match Service:** Faster, more accurate matching
- » **Expanded Morphological Analysis:** 18 facial zones
- » **Tattoo Recognition:** Additional forensic capabilities



To learn more about NEC Reveal-Mugshot Investigator and NEC's investigative ecosystem, visit [NEC Advanced Recognition Systems](#).

Contact us to schedule a virtual demo.

NEC ranked #1 in face recognition accuracy by **NIST** from 2009–2025.

NEC Corporation of America
Irving, TX
necam.com

NEC National Security Solutions, Inc.
Arlington, VA
necnss.com

NEC National Security Solutions, Inc. (NSS), is a leading provider of biometric identity and AI technology for federal government agencies in defense, intelligence, law enforcement, and homeland security agencies. Based in Arlington, Va., NSS deploys proven groundbreaking technology for access control, identity verification, scene processing, advanced analytics, fiber optic sensing, border control and transportation security, among other applications. The company was launched in 2020 as a wholly owned subsidiary of NEC Corporation of America and will operate under a Special Security Agreement (SSA) with the US Government as a FOCI-mitigated entity, free of foreign ownership, control, and influence. It provides full-service solutions for large agencies using the intellectual property and resources of the global NEC brand. The NEC Corporation invests an estimated \$1.01 billion annually in R&D, holds 47,000 patents, and has more than 110,000 employees in 160+ countries. For more information, please visit www.necnss.com.

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