

A robust and scalable facial recognition solution including case evidence management, biometric matching, and forensic evaluation tools for intelligence analysis and crime solving tasks



MorphoFace™ Investigate

Facial recognition solution for law enforcement and intelligence analysis.

- Accelerate the identification process with up to 2 million comparisons per second
- Authenticate and identify suspects with 1:1 and 1:n matching capabilities
- Enhance crime solving ability using static and video file evidence
- Maintain intelligence value using task-specific forensic and investigative tools



Biometrics in Action



MorphoTrak
SAFRAN Group



MorphoFace™ Investigate

Facial recognition solution for law enforcement and intelligence analysis.

MorphoTrak's biometric technology is used worldwide for enhancing security, preventing fraud, and fighting crime. By applying experience in biometric identity solutions used in 60 countries worldwide, MorphoTrak delivers innovative multi-biometric solutions to North American markets, including federal, state & local governments, as well as consumer and commercial products.

MorphoFace Investigate

A robust and scalable facial recognition solution including case evidence management, biometric matching, and forensic evaluation tools for intelligence analysis and crime solving tasks.

- Easily manage case evidence, automatically extracting faces for biometric matching while maintaining links to source files, preserving evidence trails and managing access control.
- Utilize biometric matching algorithms specifically developed for investigative tasks including optimization for the use of low resolution, non-compliant evidence types typically recovered from today's crime scenes.
- Efficiently evaluate potential matches and communicate key decision factors using visual comparison and decision documentation tools.
- Built upon the proven and scalable COTS based client / server architecture found in MorphoTrak's MetaMorpho Automated Fingerprint Identification Systems, providing the ability to add workstations, increase processing speeds, and accommodate database growth as needs develop.

MorphoFace Investigate provides police and investigative agencies with forensic quality facial recognition capabilities:

- Supports compliant and non-compliant enrollment and identification scenarios
- Integration opportunities supporting wide ranging workflow and operational requirements
- Batch process matching transactions
- Automatic ICAO compliance checking assures optimal image quality during compliant enrollment process
- Automatically identify portraits in a database requiring quality control image correction tasks
- Import JPEG, JPEG 2000, TIFF and BMP files
- Quality control and image enhancement tools including: JPEG decompression and artifacts correction, noise reduction, frontal image reconstruction and pose correction, lighting correction, de-interlace video imagery, blur reduction
- annotate portraits and identify operator matching decisions
- generate matching reports
- easily scalable
- utilize commercial of the shelf hardware

Additional facial recognition solutions utilizing MorphoFace technology:

- Sex Offender Registration & Reporting
- Identity Theft and Multiple Alias Investigation
- Inmate population registration, tracking and release authentication
- Missing child searches
- Probation Reporting
- Identify Duplicate enrollment in identity document databases: drivers license, passport, membership, and applicant

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