

IDENTIFICATION

MORPHOFACE INVESTIGATE

A FACIAL RECOGNITION SYSTEM FOR INTELLIGENCE

AND INVESTIGATION APPLICATIONS



MorphoFace Investigate (MFI) is a facial recognition system designed to meet the facial identification requirements of law enforcement agencies, intelligence services and homeland security. Robust and scalable, the MFI system includes case evidence management tools, biometric matching and forensic evaluation tools.

- Fast and accurate facial searches, enhanced thanks to a 3D modeling tool for frontal images
- Automated alerts to police officers when offenders are identified
- Advanced user interface with powerful image processing software
- Workflow flexibility, interoperable with other systems
- Scalable, easily adaptable to large databases

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Picture acquisition



Candidates list verification



Video Interface



3D modeling tool

Features

- Image processing tools
 - ISO 19794-5 compliant face image acquisition
 - Automatic face finding and tracking in photos or videos
 - Enhancement of poor quality images and non-frontal shots
- Use images other than facial photos to aid the operator in the identification process
- Navigate within the database to capitalize on information from previous searches
- Produce reports on offenders, cases and facial comparisons
- Traceability of all image enhancements for submission to courts
- Manage access control and user rights
- Webservices included to enable facial recognition requests from any third-party system
- 3D modeling tool to rebuild a front picture taken from side view
- Integration of Morpho Argus, the identification system in a live video

Typical uses

- Set up and maintain a duplicate-free database of known offenders
- Crime-solving based on facial identification:
 - Linking a crime to a suspect by matching facial images
 - Linking different crimes by matching similar facial images
- Mobile ID checks in the field
- Background checks
- Searching for missing and wanted persons when a photo is available
- Export watchlist to Argus and automatic notifications to watchlist subscribers after validation by the CCTV operator

Technical characteristics

- Image formats: JPEG, JPG2000, TIFF, GIF, PNG, BMP.
- Video formats: .avi containers, MPEG4 - part 2 codecs.
- ISO IEC 19794-5 and ANSI NIST standards.
- Web-enabled workstations.

Morpho

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