

MBIS Latent Expert

A complete solution for centralizing latent print examination

A component of IDEMIA's MBIS (Multi-biometric Identification System), Latent Expert provides a focused environment for latent print examiners to import, enhance, encode, and submit latent fingerprints and palm prints for searching.

THE GOLD STANDARD

MBIS Latent Expert provides a powerful toolkit for latent print examiners, based on IDEMIA's industry-leading matching and biometric algorithms.

IDEMIA MBIS is the industry gold standard, with the IDEMIA algorithm far outperforming other entries in NIST ELFT testing in 1:N searches.

MBIS Latent Expert offers examiners everything they need for image enhancements, enhancement history, automatic encoding, case management, image and latent documentation, and searching of local and national databases based on latent impressions of fingerprints, palm prints, phalanges, and tips.

FEATURES/CAPABILITIES

- Variable resolution support
- Automatic ruler calibration
- Highly accurate automatic latent encoding, plus full support for manual encoding by latent print examiner
- ACE-V documentation with GYRO+Auto markup
- "Encode once—search many"
- One button searches against local and external databases
- Case AFIS/Closed Search support
- Latent case management database
- Multiple friction ridge-specific enhancement tools

Key Benefits

ACCURATE

Submit latent searches to the most accurate latent print search algorithm as evaluated by NIST ELFT. Further improve accuracy and reduce "missed hits" with Case AFIS/Closed Search capability.

VERSATILE

Import images with variable resolutions and enhance, encode, and submit latent print searches to multiple databases from a single application.

DOCUMENTATION TOOLS

Enhance latent images with encoding tools while tracking all modifications. Document your analysis with GYRO+Auto minutiae and configurable latent descriptor fields.

POWERFUL SEARCH CAPABILITIES

Discover links between cases and between suspects. Store multiple images per case, extract multiple latent prints per image, create multiple feature encodings per latent print, and submit multiple searches for each encoding.



MBIS LATENT EXPERT FEATURES

HIGHLY ACCURATE SEARCH

Encode any latent print once and then search it through local, state, and national databases (1:N), and use the same encoding to search individuals associated to the latent print case (MBIS Case AFIS).

FLEXIBLE IMPORT OPTIONS

Variable resolution support for grayscale and color images in multiple formats, including NIST, TIF, PNG, BMP, and JPG.

FULL TOOLKIT OF IMAGE ENHANCEMENTS

Multiple automatic and manual enhancement tools to enhance and highlight ridges, flatten curved surfaces, and remove background patterns.

PRESERVES THE INTEGRITY OF THE ORIGINAL

The original imported image is preserved while the enhancement history is tracked and can be undone or reapplied.

AUTOMATION

Automate any step of the search process—image import, case creation, calibration, latent selection, encoding, and search.

ACE-V AND GYRO SUPPORT

Fully document the examination process with GYRO+Auto markup and analysis documentation.

CASE MANAGEMENT

Easily track cases through the system, assign work, view search conclusions, set case expiration from the unsolved file, and reopen completed searches.