



TenprintExaminer Workstation

Quality Management of Tenprint Identification

The TenprintExaminer Workstation is a multi-purpose tenprint image processing application capable of running on a Windows-based desktop computer. It provides extensive tools to analyze and manipulate tenprint images to enhance AFIS performance and increase identification search rates.

Depending on your specific requirements, the TenprintExaminer Workstation can be inserted into workflows either before or after AFIS processing. When placed before, you can review images for quality from live scan or card scan stations before processing. At each point along the workflow, the TenprintExaminer Workstation can display workflow queues and allow selection of any transaction for display of the tenprint images. Use the full range of image enhancement and minutiae editing tools to enhance or edit low quality tenprint images.

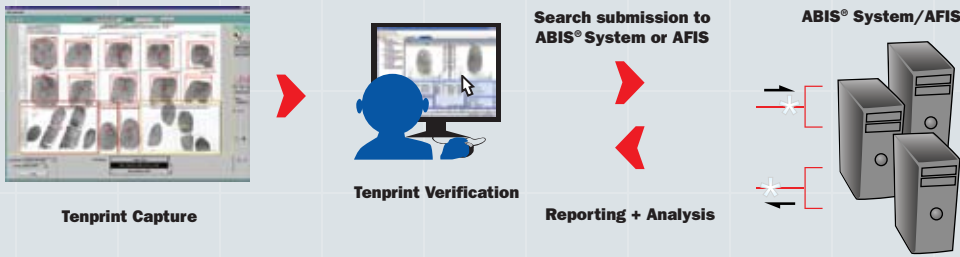
The TenprintExaminer Workstation also offers enhanced post-processing functionality. For example, you can set a configurable range for AFIS transaction scores. By doing so, you can visually compare the subject's tenprint card with the candidates whose scores fall within that predetermined range.

Additionally, individual fingers can be selected for enlarged side-by-side display, with or without overlaid minutiae points. Following visual comparison, a "hit" or "no hit" disposition can be selected for the transaction. When used for pre- or post-AFIS quality review, the auto-assigned quality score and the auto-assigned pattern classification is displayed with the option to over-ride pattern assignment or assign reference patterns. The TenprintExaminer Workstation and workflow customizations put you back in control of your identification system.

FLEXIBILITY FOR YOUR SPECIFIC APPLICATION

- Configure searches based on AFIS transaction scores within a predetermined review range
- Review tenprint images for possible substitution into the AFIS reference database
- Edit and enhance poor quality tenprint images using robust tools for AFIS resubmission
- Create and print digitized cards from paper tenprint cards

TenprintExaminer Workstation Process



How it Works

1. Transactions requiring pre-AFIS quality review or post-AFIS verification review are queued by Workflow Manager based on user-defined business rules.
2. Tenprint quality and verification review users log on to the TenprintExaminer Workstation.
3. A tenprint review transaction is selected from the workflow queue either automatically or by user selection.
4. For quality review, finger images for a pre-defined set of finger positions are displayed for user inspection, and image enhancement and zoning tools are used to improve performance of poor quality tenprint images.
5. For verification review, probe and candidate finger images for a pre-defined set of finger positions are displayed for user inspection.
6. User can view the probe tenprint and gallery tenprint and select individual finger positions to inspect.
7. Image enhancement and zoning tools are used to improve performance of poor quality tenprint images for re-submission to AFIS.
8. User can select “Hit” or “No Hit” dispositions for each candidate.
9. When all candidates have been disposed of, the Workflow Manager moves transactions to the next processing step in the workflow.

TenprintExaminer Workstation Specifications

Recommended Hardware

Requires Windows XP SP2, and the following minimum hardware

Desktop computer with 512MB RAM and 2GHz Intel or equivalent AMD CPU

1280x1024 video display resolution; a 20” or greater display

Optional Epson® model 4990 scanner for tenprint card digitization and Lexmark® model T640 printer for tenprint card printing.

5705 W. Old Shakopee Rd.
Suite 100
Bloomington, MN 55437
Telephone 952-932-0888
Facsimile 952-932-7181

www.L1id.com