



FaceExaminer Workstation

Analyze Faces from CCTV Footage and Surveillance Tapes

Crime scene footage unusable? Not so with the FaceExaminer Workstation. This unique, revolutionary application helps you analyze, search and identify faces of wanted subjects taken from CCTV cameras and surveillance tapes. The FaceExaminer Workstation is a powerful tool for enhancing the effectiveness and performance of face recognition in investigative environments, where the quality of images is poor or the person may not be facing the camera directly.

The FaceExaminer Workstation combines state-of-the-art, 3-D modeling and imaging tools to extract faces from grainy or unclear images, correcting the effects of poor lighting, off-angle poses and blurriness. The FaceExaminer Workstation lets you manipulate, filter and extract a clearer image, and identify hard-to-find facial landmarks before transmitting to the ABIS® System for higher identification search results. Our leading face recognition technology, along with our automated tools for analyzing face images results in more identifications and crimes solved.

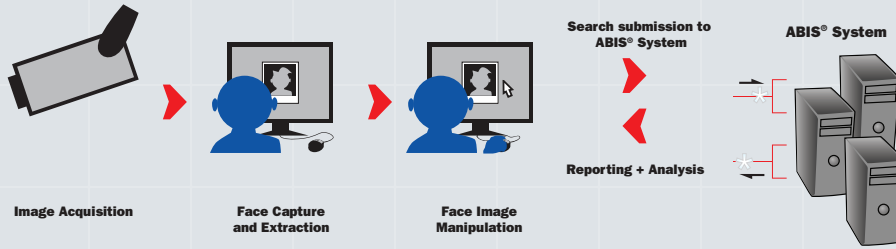
HIGHER HIT RATES TO SOLVE MORE CRIMES

- Create 3-D facial models based on 2-D images, and vice versa, for frontal mug shot database searches
- Enhance video and still images which are distorted or blurry for higher face-finding accuracy
- Perform multi-probe searches, and consolidate and browse results based on score and rank
- Use detailed skin comparison algorithms to distinguish between look-a-likes and twins

EASY-TO-USE TOOLS TO INCREASE SEARCH EFFICIENCY

- Access user and administrator Windows-based GUI and tools to organize, filter and manage case files including demographic data
- Target facial landmarks either automatically or manually
- Search results can be compared multiple ways including side-by-side, tile or overlay
- Synchronize image navigation with zoom, crop and flip controls

FaceExaminer Workstation Process



How it Works

1. Images are acquired from still images in JPEG, BMP, and TIFF file formats and video footage and clips as AVI files.
2. Targeted facial images are automatically captured and extracted.
3. Facial images can be manipulated with tools for de-blurring, illumination compensation, and pose correction. In particular, 2D-3D modeling is applied to obtain a frontal image to search frontal image databases.
4. Multiple search requests can be constructed and submitted to the ABIS® System simultaneously. Demographic filters are also created and applied at this stage.
5. Search results are returned and grouped and ranked for the targeted individual. A set of additional graphical tools assists in probe-to-candidate comparisons to highlight match accuracy. Reports are also created once a match has been determined.

FaceExaminer Workstation Specifications

Recommended Hardware

CPU	Pentium 4, 3.2GHz or faster
Memory	2GB DDR2 SDRAM memory
Hyper-Threading	
Hard drive	80GB SATA hard drive
Gigabit Ethernet network interface	
CD-ROM drive	

Software

Windows XP Professional with Service Pack
.Net 1.1
Oracle or MySQL client (depending on ABIS)

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