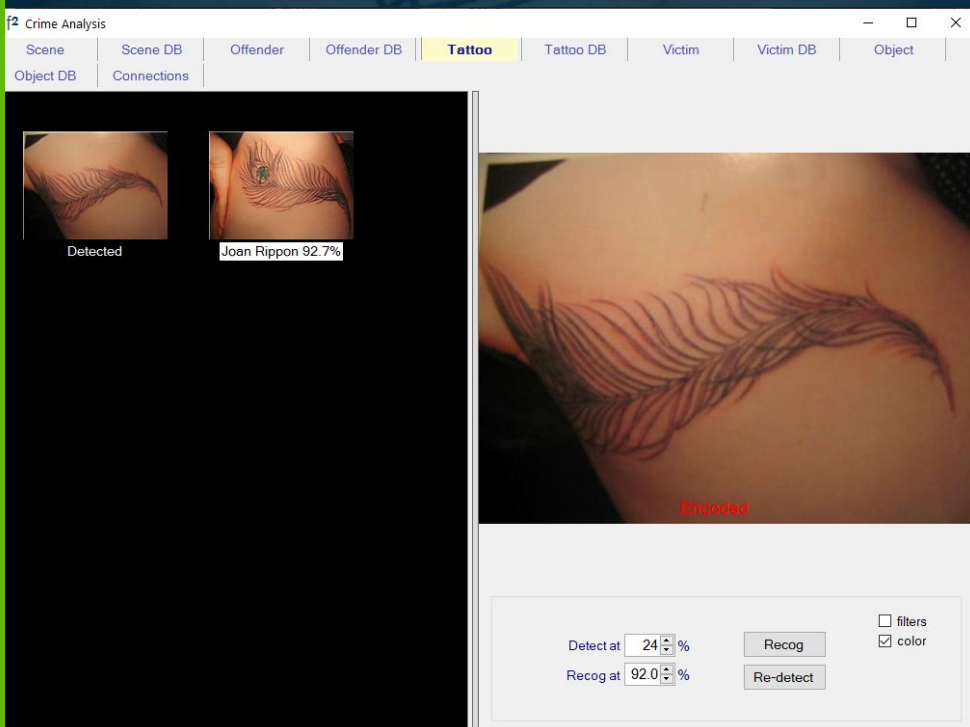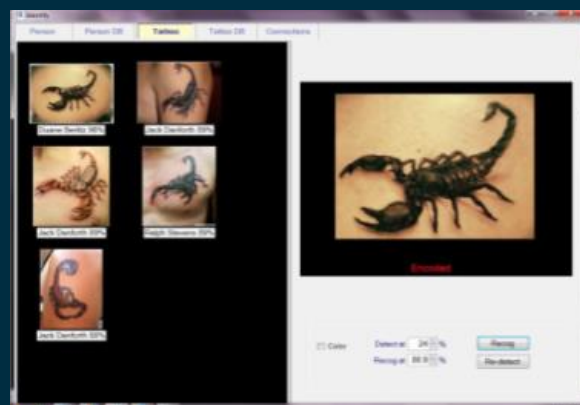# Tattoos

ID FORCE International

Probe image on the right finds a match with the same tattoo from a different angle, with the owner's name and % match
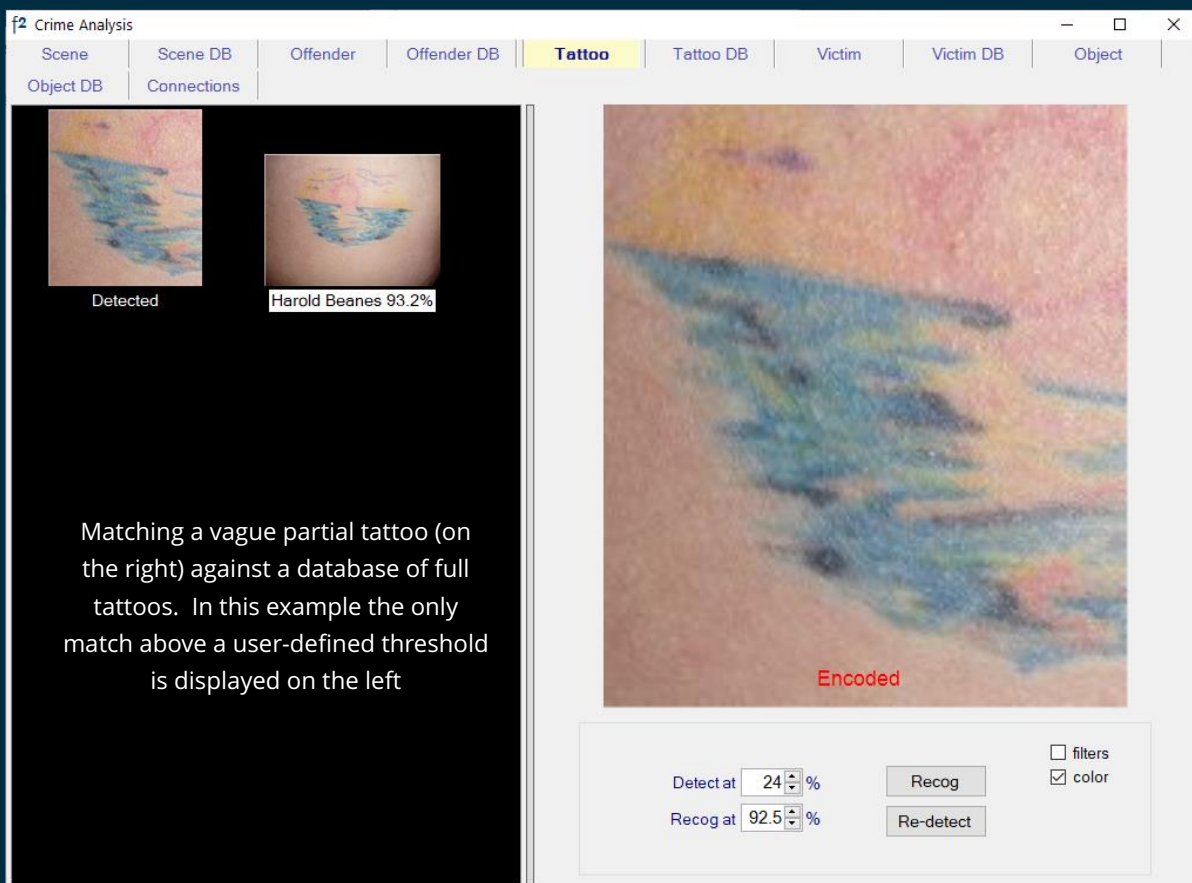
Full & Partial Tattoo Recognition

For many years now law enforcement agencies around the world have captured images of an offender's scars, marks, and tattoos in addition to their fingerprints and facial mugshot. However they are unable to be readily searched - accompanying text descriptors are generally of limited value due to mismatches between the string added to the original image and the search text subsequently used, e.g. dog and wolf, rose and flower, etc, as well as non-specific images and patterns. Our Tattoo solution matches the characteristics of the tattoo, removing any confusion about what the image actually represents.

The example above shows the result (on the left) of matching a specific "probe" image (on the right, taken at a different angle) against a database containing tattoos. The top matches displayed on the left include the name or record-ID of the person associated with it in the original database, and an indication of the closeness of the match.

FEATURES:

- Straightforward to connect to existing databases containing tattoos. It doesn't store images itself unless set up to do so

- Matches complete tattoos and also those partially obscured, e.g. by clothing

- Links a matched image back to its associated face and details in the database

- Automatic enrollment of all images in a database. No limit to database size

- Import and automatic enrollment of images in a folder

- Automatic detection and enrollment of new images added to an external database

- Probe and database images can match at up to a 25° rotational difference

- Side-by-side comparison of "probe" image and potential match for visual inspection, including magnification

- Searches any database of enrolled images on a VPN under appropriate controls

Matching a vague partial tattoo (on the right) against a database of full tattoos. In this example the only match above a user-defined threshold is displayed on the left

- The Tattoo module is available as a stand-alone/networked application, as a .Net SDK, and as a web service. It runs under Windows 10 in 64-bits, and connects to SQL Server and Oracle databases.
- Tattoo is downloadable for evaluation at no charge, with full support

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