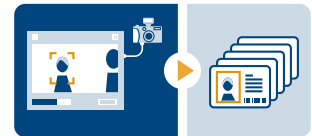
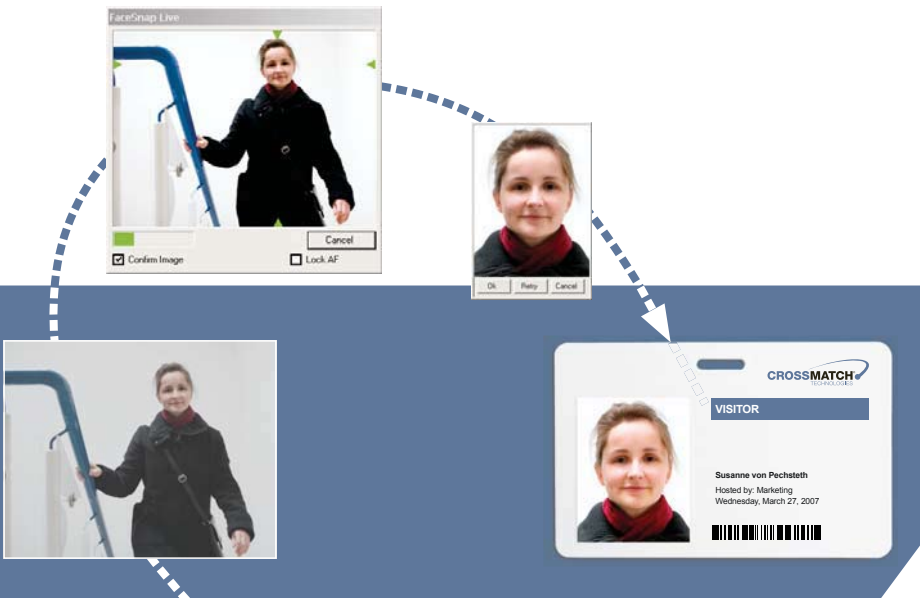


PRODUCTS

FaceSnap[®] FotoShot/TwainShot
Portrait Capture with Canon Digital Cameras

Reliable Face Detection System for High Quality Portrait Capture



Application Environments

- Drivers' Licenses
- Visas
- Government Benefit Cards
- National ID Cards
- Passports

The quality of an ID photo is a crucial concern in advanced governmental and corporate biometrically-based ID solutions. Modern digital still cameras provide excellent image quality, but manual photo capture and processing are prone to error. For the production of high-quality ID documents and for all ISO-compatible photo applications, automation and quality control is required for biometric applications. Millions of ID photos already have

been taken with the help of FaceSnap technology. FaceSnap[®] FotoShot is a new solution for portrait capture that integrates FaceSnap with modern digital cameras. With FaceSnap, the digital camera becomes an intelligent portrait photographer. The image is taken automatically when the facial recognition software "sees" a person who poses correctly for an ID photo. All further image processing is also automatic: face cropping, color correction, size standardization, and quality checks.

FaceSnap[®] FotoShot/TwainShot

Specifications

- **TWAIN driver:** for automatic live image capture based on facial recognition; built-in biometric portrait enhancement, quality control and color correction.
- Supports a range of Canon digital still cameras, e.g., PowerShot models. Inquire about currently supported models. Support for other digital cameras on request.
- Compatible with all major ID card software, e.g., CardFive, Episuit, ID Works, Asure ID.
- **Minimum System Requirements:** Windows 98/ME/2000/2003/XP, Pentium III, 128 MB RAM, 100 MB Disk, USB port for camera.

Features

- Locates the face and then crops automatically, resizes and color corrects the image for maximum user convenience. FaceSnap works with all types of image backgrounds.
- Utilizing Canon digital cameras, the high-resolution sensor and intelligent software control makes portrait capture a simple process - no need for repositioning the camera for height or for changing capture settings to adapt to different individuals.
- FaceSnap "sees" the face of a person as she or he looks into the camera – the camera shutter release chooses the right moment automatically.
- The client/server software architecture supports portrait capture over the

network. Multiple clients can share one capture station.

- Easy integration into ID applications by using the TWAIN interface with the TwainShot client. FaceSnap FotoShot SDK available on request.

Software

- **FaceSnap TwainShot:** consisting of the FaceSnap FotoShot Server and the Twainshot Client (a TWAIN data source).
- **FaceSnap FotoShot SDK :** consisting of the FaceSnap FotoShot Server and an API for creating client applications.
- **FaceSnap TwainShot Lite:** consisting of the FotoShot Server (without FaceSnap functions) and the TwainShot Client (a TWAIN data source).
- **FaceSnap IsoShot:** consisting of the FaceSnap FotoShot Server and an application for creating biometric portrait images that are ISO-compatible.
- **FaceSnap IsoShot SDK:** consisting of the FaceSnap FotoShot Server and an API for creating biometric portrait images that are ISO-compatible.

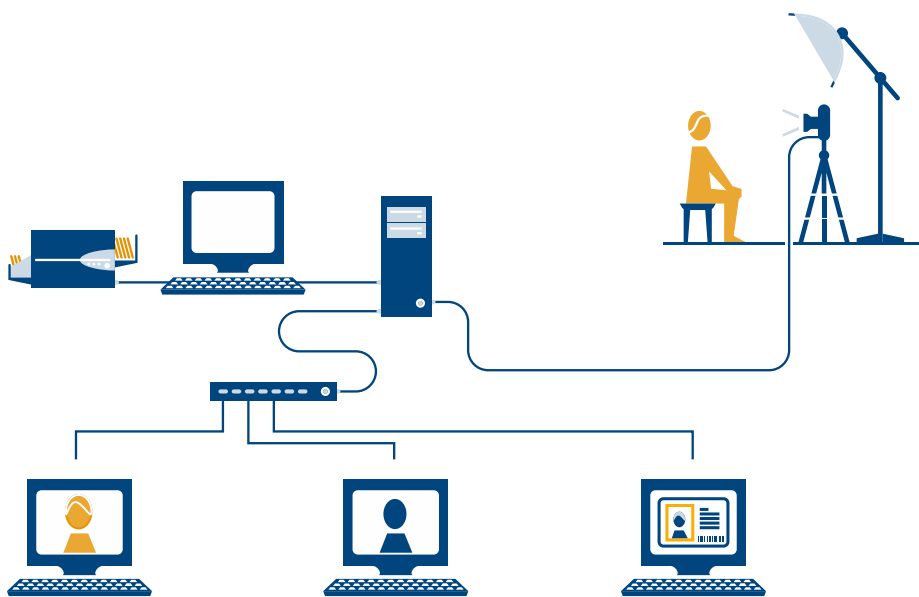


Diagram showing how Individuals are processed using the FaceSnap solution:

- Digital photographs are taken at the portrait capture station
- Photos are transferred electronically into the ID application database where they are compared to photos on file and ID documentation supplied by individuals

Benefits

- Fast and easy automatic processing of ID card applicants
- No operator training required for the portrait capture process
- Error reduction by a highly automated standardized process
- Consistent, high quality digital portraits