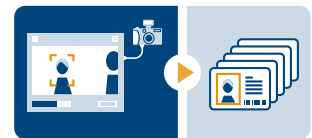
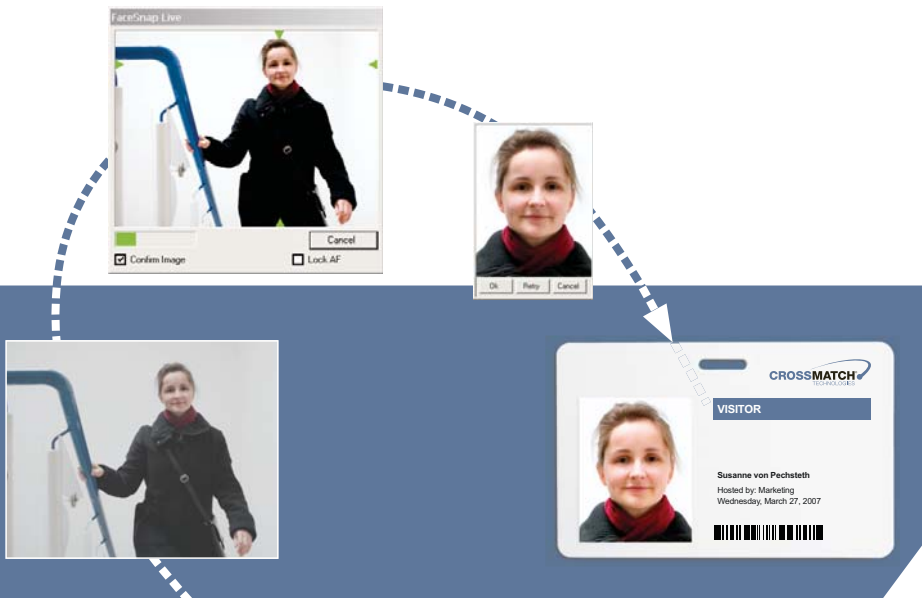


PRODUCTS

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

Reliable Face Detection System for High Quality Portrait Capture



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 intergrates *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.

Application Environments

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

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.

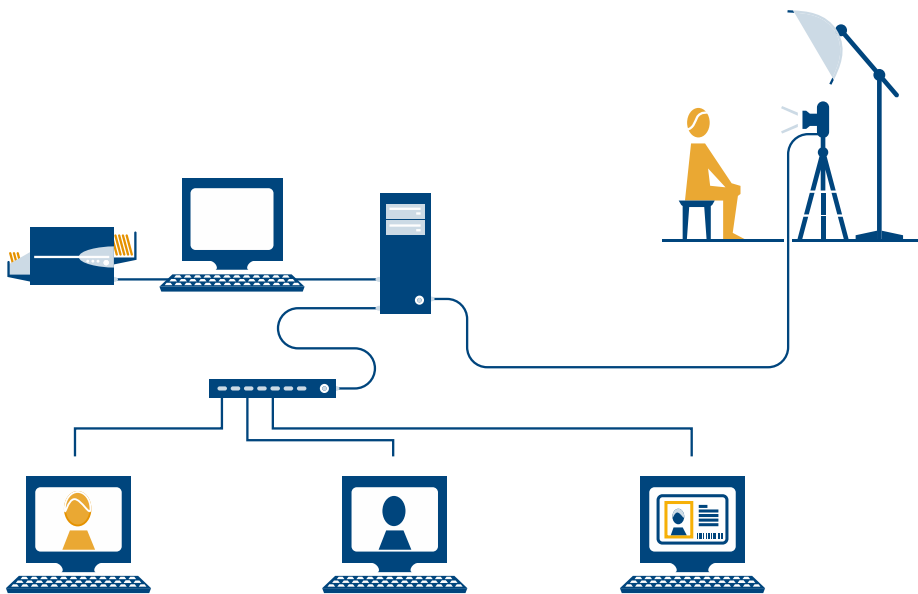


Diagram showing how Individuals are processed using the FaceSnap solution:

- 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



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