

iD BiDoc

Biometric Documentation

Biometry as part of our modern life

Biometrics are measurable forms of the living body or its behaviour, both of which are highly individual for every single person. Crime and terror have risen to an all-time high while password, PIN- code and Smart Card security continues to decline. In countless situations it is necessary to be absolutely sure a person is truly who he or she purports to be.

BiDoc, secure access through BIOMETRY.com AG

With **BiDoc** (Biometric Documents), biometrics can be stored on one card. This makes a high security standard possible for access control to buildings, etc. The greatest security is obtained if the card is used with the authentication process from ComBiom, the core product of BIOMETRY.com AG. With ComBiom, four authentication processes (1. biometric face recognition, 2. biometric voice recognition, 3. the recognition of biometric lip movements, and 4. word recognition) with randomly genera-

Biometric Authentication increases security and simplifies this process. Governments of 189 countries have therefore decided to implement biometrics in their

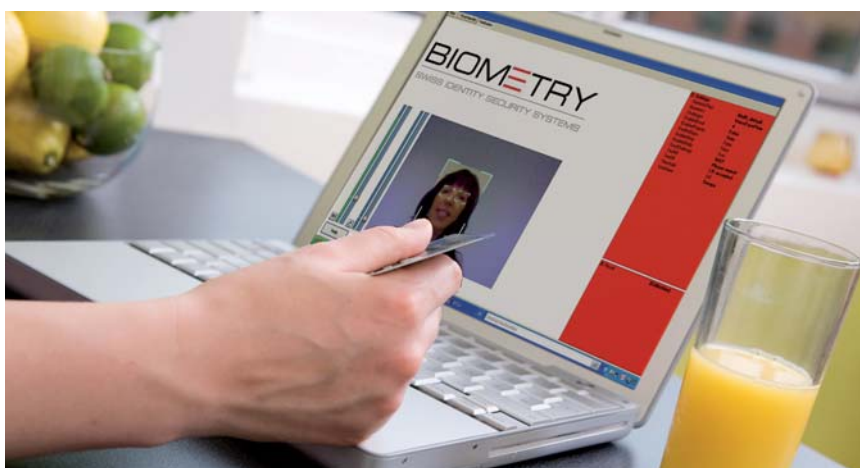
official travel documents. Mankind will rapidly learn to use and trust biometrics. Gradually biometric authentication will become a common part of our modern life.

The biometric data is stored on the smart card's chip. Here, it is in the verification process.



ted numerals are requested simultaneously (random challenge response or otp – one-time password). The highest possible security level is achieved through this combination. However, the individual authentication processes can be used separately just as well.

Specific hardware is needed, depending on which biometric is stored on the card. For example, voice audio data requires a microphone, and face video data requires a camera. These tools can be purchased very inexpensively in the market.



Easy implementation for the user

The implementation of **BiDoc** is very easy for the user. He must save his data on the card's chip in the beginning. If authentication via ComBiom is used, he speaks the numerals 0,1,2,... to 9. The web-cam registers a video and audio file for every numeral, and the Com-Biom software then calculates a file for every numeral (so-called reference templates, c. 4 KB), which includes all four authentication processes. If the user would then like to enter a particular area that is authorized for him, he holds his card to the card reader whereupon

his biometric data with his face, his voice, and his lip movements that is stored on the chip is compared. If they correspond, access is granted to the user. The procedure is very fast and easy and offers the greatest possible security at the same time.

BiDoc thus gives the user various benefits:

1. Multifaceted adaptability
2. High user-friendliness, easy handling, no passwords
3. No server that stores the data of all people is necessary
4. Highest security standard according to ICAO guidelines

The ICAO (International Civil Aviation Organization) is an agency of the United

Nations that establishes the processes in passport issues

5. **BAC** (Basic Access Control) through **BiDoc**

The RFID chip on the card is always locked and not readable. As with a passport, machine-readable code (MRZ) is therefore printed on the card. (>>>>PassportNo>>>>BirthDate>>>>Country>>>>Last-Name>>>>FirstName>>>>). Only when an optical reader has read this code and sent the RFID reader a corresponding signal will it release the biometric data which can then be used for the authentication.

BIOMETRY.com AG in brief

Biometry.com AG is a high-tech security company headquartered in Switzerland that secure and easily usable biometric authentications. A multi-modal product as well as the individual application of certain modes result in a all-in-one software. This enables the most varied applications to protect the personal identity of people and their property. The algorithms used are the worldwide known **BIOID***, which ensure highest Security and Comfort.

BIOMETRIC AUTHENTICATION FOR A SECURE WORLD!

BIOMETRY

SWISS IDENTITY SECURITY SYSTEMS

Other products from Biometry.com AG:

iD ComBiom
Communication Biometrics

iD MobiComBiom
Mobile Communication Biometrics

iD BiTCo
Biometric Transaction Confirmation

iD Perma Face
Permanent Biometric Face Recognition

iD Perma Voice
Permanent Biometric Voice Recognition

iD BiDoc
Biometric Documentation

iD smile
smart-ident local entrance

Headquarter:
BIOMETRY.com AG
Chilcherlistrasse 1
CH-6055 Alpnach OW
Switzerland
Tel.: +41416703272
www.BIOMETRY.com

BIOMETRY.com AG/D&COMM
Miroslav Auzky
Korunovacni 6
17000 Praha 7
Czech Republic
Tel.: +42023373855

BIOMETRY.com AG
Joseph Drebitko
4 rue Guy de Maupassant
75116 Paris
France
Tel.: +33145030813

swiss

identity

security

systems