

Biometric Kiosks

The Key For Effective, Secure & Smart Identification

Security concerns in the present world continue to grow ever more complex. Identity management and the many billions lost every year through fraudulent authentication in financial, banking, retail and corporate environments is pushing for the need for enhanced, secure identification and personal verification technologies.

What is Biometric Technology?

Biometric technology is a unique way of identifying an individual through unique characteristics including physiological or behavioral patterns. Various Biometric technologies offer enhanced security levels by identifying that the authorized individual is physically present for processing to gain access.

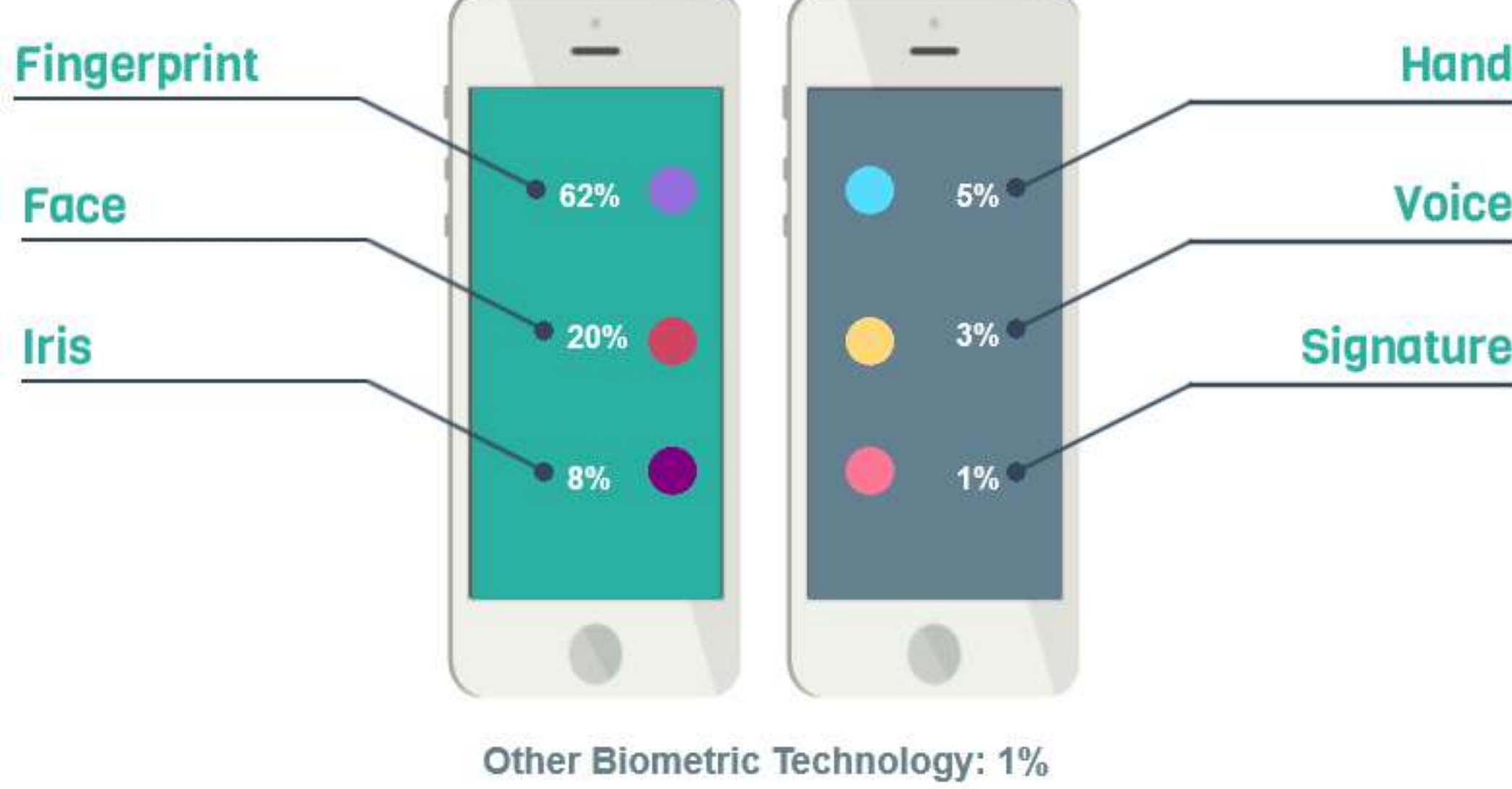
Security is currently a major concern in the present world, as new emerging fraudulent threats will continue to grow ever more complex. Common concerns regarding to those threats are access cards, employees' identity cards, password protection, personal identification numbers (PINs), passports. Which often can be forgotten, lost, disclosed, or changed.



Fingerprint Biometrics The Most Deployed Technology

Fingerprint is the most frequently used biometric measure against all, with an approximate 62% revenue contribution, as of 2009.

Worldwide Biometrics Market: Revenues by Technology: 2009



Fingerprint Technology Deployment Success

Reasons that contribute to the success of the fingerprint technology:

- Fingerprint is one of the least expensive amongst all the different biometric technologies, making it very attractive for high volume applications.
- Small storage space, reduced power requirements, and resistive nature to temperature and background lighting makes it an ideal technology to be deployed in a vast range of applications from the smallest consumer electronic device to the high end physical and logical access control.

The major applications at the present time are:

- Physical access control (applications such as door lock entrance control, safes, and vehicles) and network/logical access control (e-commerce, smart card, and sensing terminals).
- Significant use in banking and financial industry as means of authentication to prevent identity fraud in on-line banking and ATM cash points.
- Integrated in biometric passports and implemented in many countries under International Civil Aviation Organization (ICAO) compliance.



Future Biometric Technology Applications

Due to the increasing number of fraud in applications such as:

- Transactional authentication: in Europe alone \$25.67 billion are "lost" every year (source European Biometric Portal). To combat these fraudulent measures, fingerprint technology is best suited as it is a mature technology and can be cheaply deployed in a large scale and can offer huge advantages for:

- ◁ Online Banking
- ◁ Secure Network Access
- ◁ National and Governmental ID programs in Africa, and Middle East, for example
- ◁ Manufacturing Technology different from standard SmartCards

Challenges To Overcome

- Previous market research has identified a number of elements that represent key challenges to be overcome for the long awaited mass uptake of biometrics. If we look then at the credit cards/transactional verification and consumer electronics segment, these challenges are:

- ◁ Size
- ◁ Price
- ◁ Performances



Biometric Kiosks Offers Instant Identification & Secure Processing



The Features & Benefits of Top-Quality Biometric Kiosks

The best biometric identification kiosks are powerful tools with benefits for businesses and government agencies alike, as well as for the citizens they serve:

- Heavy-duty components for long life and trouble free service
- Secure, tamper proof enclosures
- Durable touch screen displays
- Dual monitors for best security
- Minimal footprint - One power plug, one internet connection
- Fingerprint scanners and or palm scanners
- Mug shot cameras
- Signature pads
- Magnetic strip readers for drivers' licenses and other coded IDs



Broader Use of Biometric Kiosks

Biometric kiosks can help speed and secure a wide range of identification and ID control applications, in public agencies and private businesses alike. Beyond the additional use of, biometrics for identification by law enforcement agencies, and for building access and security, the future will probably see biometric kiosks offer more secure commercial transactions based on identifying users at the point-of-sale. As technologies continue to advance, it seems likely that biometric identification measures will soon be included in all interface hardware and applications in daily commerce.

To learn how easily a biometric identification system can benefit your organization, contact Olea Kiosks, the leader in biometric kiosk design.



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