Article published on August 10th 2012 | Home Security

Biometric System is used for identification refers to identifying an individual based on distinguishing physiological and behavioral characteristics. As these characteristics are distinct to each and every person, biometric identification is more reliable and capable than the traditional token based and knowledge based technologies differentiating between an authorized and a fake person. Facial recognition security works by recording an individual's facial characteristics and then comparing the structure, distance between the eyes mouth and nose, and the general shape of the face based upon the locations and proportions of the cheekbones, nose and mouth, and eye sockets, and the outline of the jaw, all in relation to each other.

This method of identification is accurate, and is becoming even more accurate as the hardware and software improves, and the technology is used by more and more people, and improvements are made.

1. Facial recognition systems often require the person to smile or blink, or produce another human movement, in order to prevent against imposters who might wear a mould or mask from trying to gain access, or impersonate somebody else.

2. Official documents such as a passport or driving license can utilize face recognition technology, in order to prevent against all sorts of criminal activity stemming from the production and use of false documents. The use of multiple documents by the same person will also be reduced.

3. Facial recognition can be used for many other applications, such as authorizing transactions, perhaps instead of using a PIN number or signature.

4. Physical access can be granted or denied to a building, or department, using face recognition technology rather than by using a traditional access code, or swipe card.

5. Time and attendance systems are another obvious choice to use face recognition systems, as a way to combat people either clocking in or out early or late, or clocking in or out for an absent colleague.

Biometricsâ€™ have changed the way we do security these days, with technologies like fingerprint, face recognition commonly used for access to high security areas such as those involved in high-level government security.

The two main classes of biometric characteristics are mentioned as under:

ïƒ˜ Behavioral: As the name suggests, they are related to the behavior of a person. For instance, an individual's typing rhythm, gait and voice.

ïƒ˜ Physiological: They are related to the shape and structure of the body. Examples are face recognition, fingerprint, DNA, hand and palm geometry and body odor.

Face recognition is one of the physiological biometrics, which is used as one of the additional and mass security measure. It's a computer program or an application which identifies a person from a digital image or a video frame from a source.

When facial recognition systems is used as part of a biometrics security undertaking, subjects allow

several pictures of themselves to be taken, with different facial expressions and at different angles. This method of identification is accurate, and is becoming even more accurate as the hardware and software improves, and the technology is used by more and more people, and improvements are made.

Article Source:
http://www.articleside.com/home-security-articles/learn-new-tactics-to-provide-better-security-solutions.htm - Article Side

Ariel Linford - About Author:
Lorenzo writes for Biometric System, offering lots more independent advice and help with a styletext-decoration:nonepeople counter. He always makes sure that his articles are interesting and error-free.

Article Keywords:
Learn New Tactics to Provide Better Security Solutions

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!