

BIOMETRICS

FACE RECOGNITION

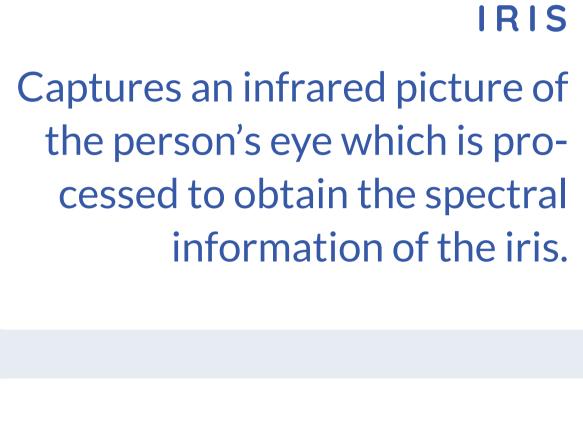
The face's features are obtained using a low-resolution camera.

Biometric solutions



EARS

Analyzing ear shape might be as effective as facial recognition - and the shape remains consistent as individuals age.



VOICE RECOGNITION

The voice's features are based on the shape and size of the appendages used to create the sound.



A map of the fingerprint's peaks and troughs is registered using optical, thermal and/or ultrasound technology.

VASCULAR

An infrared image of the skin is taken to detect the veins and a map of their distribution is obtained.

GAIT

The way one walks can be observed and measured to determine identity.



An individual's body chemistry provides an olfactory signal that can be identified by biosensors.



DNA, the ultimate identifier, used to take months to analyze and profile. Now there are machines that can do the work in less than 90 minutes.

SIGNATURE

Recording of the act of signing on a piece of paper or tablet. The movement, not the image, is recorded.

TYPING RECOGNITION

The force, speed and rhythm with which an individual taps the keys produce a personal signture of a different sort.

The phases of adoption of biometrics in mobile, websites and loT devices.



Generation 1





DESKTOP APPS

IOT DEVICES

Generation 2

Generation 3

While most companies are still developing a strategy, there is no doubt that the ease and added security will propel biometrics to the forefront of identification and authentication. As technology grows in sophistication, it will only become more prevalent.

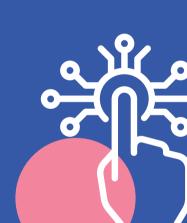
Identification VS Verification

Determines an individual's identify. The biometric data is compared against all the data held in the database.



Confirms an individual's identify by comparing a sample with one or more templates obtained previously.

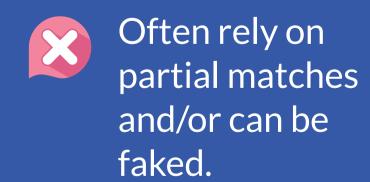
Good





FINGERPRINTS





If not stored securely, presentslifelon g risk of being hacked.

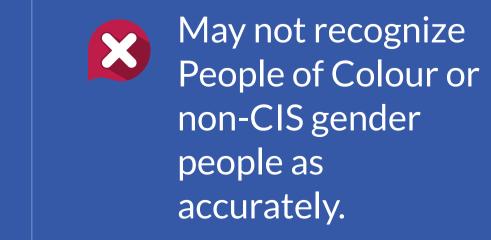
Bad



RECOGNITION







Ugly



RECOGNITION

- Users cant' forget their voice as they could their password or physical keys.
 - May not recognize the voice of a sick user.
 - Unknown who has access to the voice access to the voice of a user.

