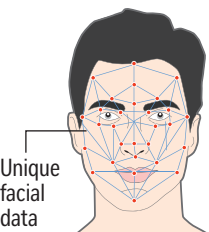


How it works

There are various technologies, but facial recognition basically works by transforming a person's unique facial composition into a set of data, and then comparing it with a database of known faces.

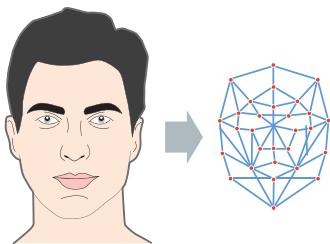
1 CAPTURING



The foremost requirement is to capture an image of the face, and that can be done by scanning existing images or using cameras.

2 EXTRACTING

A facial signature is then extracted from the image by reading the distinctive geometry of the face. For example, this includes the distance between the eyes, and the distance from forehead to chin.



3 COMPARING



The facial signature – a mathematical formula – is then compared with a database of known faces.

4 MATCHING



The facial recognition software determines if there is a match between the facial signature and any picture in the database.