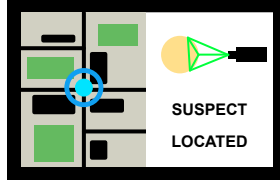


Facial Recognition

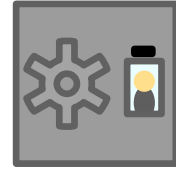
Common Uses



Smartphone
Passcodes



Law Enforcement/Criminal Justice



Property Security

How It Works

Capture

The first step is for the system to collect physical or behavioral samples.

Extraction

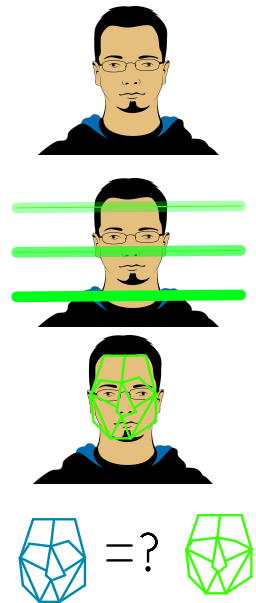
All this gathered data should be extracted from the samples to create templates based on them.

Comparison

After the extraction, collected data is compared with the existing templates.

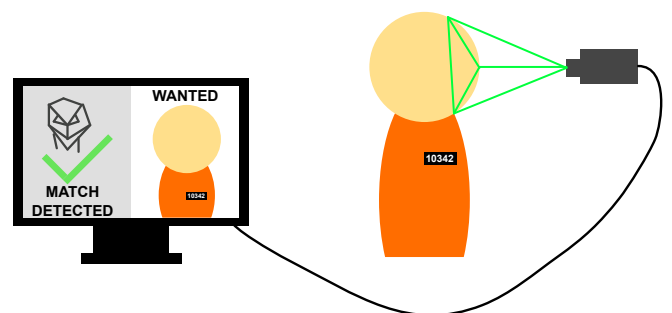
Matching

The final stage of face detection technology is to make a decision whether the face's features of a new sample are matching with the one from a facial database or not.



Impacts

One beneficial effect that facial recognition technology has had on society is in the criminal justice system. Law enforcement agencies use biometric software to scan faces in CCTV footage, as well as to identify persons of interest in the field. This allows law enforcement to identify, locate, and plan for the successful apprehension of criminals, resulting in a safer society and community for all.



Dangers

Lookalikes or complex facial replicas have the potential to pass the test, putting one's private information at risk. Moreover, the information stored in facial recognition databases is susceptible to data breaches or file leaks, which could result in private data falling into the hands of malicious people who could potentially use the information to track, stalk, or even harm others.

