



Facial Matching Technology Solutions

Facial Matching is the process of identifying or verifying the identity of a person using their face and is considered to be the most natural of all biometric measurements. The eConnect implementation of Facematch technology can be accomplished at the edge, or from a central server, and can be deployed from eClear devices, or from standard, Onvif compatible cameras.

The heart of the system is that it captures, analyzes, and compares patterns based on the person's facial details. We use a three-step process to ensure the highest levels of accuracy:

- Face detection – an essential step as it detects and locates human faces in images and videos
- Face capture – transforms analog information (a face) into a set of digital information (data) based on the person's facial features
- Face match – verifies if two faces belong to the same person

The Face Matching system employs patented technology to provide operators with accurate facial identification reinforced with data analytics to, for example identify staff members for time-clock integrations, to detect unwanted individuals or valued guests, and improve operational efficiency. This unique solution integrates with many varied data systems and, where necessary works with existing CCTV video management systems.