Face Recognition in Intelligent Hardware & Artificial Intelligence | PISIQ

What is Face Recognition?

Face recognition system is an AI (Artificial Intelligence) technology capable of identifying or verifying a person from a digital image or a video frame from a video source (Biometrics based). There are multiple methods in which face recognition systems work, but in general, they work by comparing selected face features from given image with faces within a database. It is also described as a Biometric Artificial Intelligence based application that can uniquely identify a person by analyzing patterns based on the person's facial textures and shape.

While initially a form of computer application, it has seen wider uses in recent times on mobile platforms and in other forms of technology, such as robotics. It is typically used as access control in security systems and can be compared to other biometrics such as fingerprint or eye iris recognition systems. Although the accuracy of facial recognition system as a biometric AI technology is lower than iris recognition and fingerprint recognition, it is widely adopted due to its contactless and non-invasive process and PISIQ's team is working on it constantly to make it more secure.