

Visage Face-Recognition Technology

The Company's face-recognition technology both enhances existing identification solutions and offers opportunities for a variety of new applications. Using a sophisticated algorithm based on Principle Component Analysis (PCA) developed at the Massachusetts Institute Technology's Media Lab, the Company's software translates the characteristics of a face into a unique set of numbers, which is referred to as the eigenface.

The eigenface is used by both identification and verification systems for face comparisons made in real-time. Identification involves a one-to-many comparison of an individual's face against all faces in a database in order to determine identity; and verification is characterized as a one-to-one match of an individual's face to his or her stored image for the purpose of confirming identity. The Company's face-recognition technology is unique because of its capabilities of both rapid and accurate real-time acquisition as well as its scalability to databases containing millions of faces. Therefore, the software can instantly calculate an individual's eigenface from either live video or a still digital image, and then search a database of millions in only a few seconds in order to find similar or matching images.

Viisage, along with their partner Lau Technologies, has continued to advance this base MIT face-recognition technology. These patented and patent pending proprietary face recognition innovations have enabled this technology to achieve outstanding performance across a variety of environments and real world conditions.

Early adopters are using the Company's face recognition software for customer ID verification at ATMs, Internet verification for e-commerce and home workers, large database fraud reduction, casino surveillance, airport and other security and law enforcement applications. Viisage is leading the way to bring face recognition applications and products to market. Furthermore, Visage's Biometric Systems Integration Services providing new solutions by combining face recognition software with other biometrics, such as iris, voice, signature and fingerprint technology as well as with existing identification card systems. Other applications include PC networks, retail point-of-sale and virtually any other application that requires identification or verification of an individual. Viisage envisions a day when society could be free from cards, keys, Pin's and signatures. A person's face will be the private, secure and convenient password of choice.