> identity matched
> access granted

VISION ACCESS
3D Face Reader

The Vision Access 3D face reader is commonly used to control physical access to buildings and entrances. The reader was designed for quick and easy user positioning which optimizes throughput at entrances. To accomplish this an LCD and audio feedback have been integrated into the design. This makes it very simple for the user to get into the correct position for the reader to quickly capture the optimal image.

3D Technological Advantages

Invariance to light: Using near-infrared range and direct ground-based measurements available from 3D images, our imaging solutions are more tolerant to ambient light conditions, independent from background color, facial make-up, and accessories.

Invariance to angles: Real-time video feed exploits the richness of 3D parameters, performing recognition with full head motion of up to 30' degrees each direction.

3D Image Uniqueness: The richness of extracted facial measurements and data points is sufficient to distinguish between identical twins.

Processing Speed and Accuracy: Proprietary 3D bio-algorithms perform real-time video face capture, and calculation at rates exceeding 30 frames per second. Processing speeds of 10-12 full capturing-matching cycles per second allow for extremely low False Rejection Rates (FRR), even when the False Acceptance Rate (FAR) is set close to zero

(.0001), proving A4 is the industry leader in processing and accuracy.

Advanced Technology: Feature extraction algorithms coupled with advanced optical technology allow for rotated face recognition in a continuous range of angles. Advanced reconstruction algorithms perform real-time matching and recognition while simultaneously overcoming processing constraints inherent with any other facial recognition technology.

Non-Invasive: Working in invisible infrared light, the solution is capable of passive recognition with high performance results in real life environments.

Compatibility: Compatible with existing physical access control applications and a wide range of external readers, including laser, magnetic stripe, Wiegand, proximity, and other biometric devices.

Ergonomics: Optimal ergonomics allow for fast and easy face positioning result in instant recognition within less than 1 second from the time a subject appears within the view field.