



## INTRODUCING EVOLV PINPOINT

**HOW OFTEN DO YOU KNOW WHO IS ENTERING YOUR FACILITY? AND HOW OFTEN DO YOU WANT TO KNOW?**

**IS THERE A VIP STANDING IN THE LOBBY YOU SHOULD BE AWARE OF? IS THERE SOMEONE ON YOUR WATCH LIST WHO IS NOT PERMITTED ON PREMISES?**

**ARE EMPLOYEES THE ONLY PEOPLE GAINING ACCESS THROUGH EMPLOYEE ENTRANCES?**

**IN FACILITIES WORLDWIDE, THE EXISTING METHOD FOR IDENTIFYING PEOPLE OF INTEREST DEPENDS ENTIRELY ON HUMAN MEMORY AND JUDGMENTS, WHICH ARE INCONSISTENT, UNRELIABLE, AND SIMPLY INEFFECTIVE.**

**THERE IS A BETTER WAY.**



### ADVANTAGES OF FACE RECOGNITION

While every biometric screening technology has its unique advantages, face recognition is rapidly outpacing the others.

- Fingerprints, while inexpensive and previously considered an industry standard, are being exposed for their weaknesses. People's fingerprints change as they age leading to faulty screening, the screening process is intrusive and there are health sanitation concerns.
- Voice recognition (VR) is non-intrusive and relatively inexpensive; however, it is slow. The dwell time while waiting for feedback can exceed five seconds. VR generally has low accuracy because an illness such as a cold can temporarily alter a person's voice, making it impossible to match. Most important of all, VR can be easily defeated through a recording.
- Iris and retina scanning are very accurate; however, they are extremely expensive and create dwell time during screening in the range of 3-5 seconds for iris, and upwards of 10 seconds for retina scanning. They are viewed as intrusive and come with the false assumption they are potentially harmful to the eye.

Fingerprints, voice recognition, and iris or retina scanning all require the customer to be physically present for initial enrollment. Each one requires dwell time during screening which decreases the visitor experience and operational capacity—making them unsuitable for high throughput applications. Face recognition is non-intrusive and doesn't require dwell time; comparatively speaking it is inexpensive because it measures characteristics of a person's face which don't change over time. Face recognition is accurate.



## FACE RECOGNITION FOR VISITOR IDENTIFICATION

Evolv Pinpoint is a turnkey face recognition product that enables quick, accurate, automated identification of persons of interest. It is specifically designed to operate in high throughput environments, without the weaknesses of other mainstream biometric solutions. It combines identity with threat screening to improve the overall visitor experience by working at the pace of life. These results can be used to address persons of concern, welcome VIPs, or allow entry for valid employees. Face recognition fused with physical threat screening provides real-time actionable information to the front line while simultaneously enhancing the visitor experience. The Evolv Edge personnel scanner with Pinpoint provides just such an integrated solution.

Evolv Pinpoint employs a cutting edge face recognition algorithm from the same category utilized by the market leaders. Pinpoint's algorithm is trained using artificial intelligence (AI) on an ethnically diverse database to ensure high precision and accuracy across the entire world and its population. While some other face recognition algorithms may provide comparable recognition capability, they are stand-alone systems and miss the synergies offered by Evolv's integrated family of identification and detection products.

The Evolv Pinpoint camera is positioned at the ideal height above the ground to optimize screening across the globe. The location inside the Evolv Edge tower ensures a person is positioned at a controlled distance and within the proper field of view for our optimized biometric camera sensor to capture the best quality images. Pinpoint delivers superior results as it minimizes occluded or other bad image angles, and avoids capturing multiple faces in a crowd—conditions that can otherwise cloud and undermine face recognition algorithm analysis, and make security operations more difficult.

The real-time capture of biometric data provides information to support a risk-based security operation. The integration of Evolv Pinpoint face recognition with physical threat screening in the Evolv Edge creates a powerful tool for physical security, creating a scalable, sustainable solution to identify persons of interest.