

EVOLV EXPRESS®

# Thermal Imaging

Touchless, Rapid & Discreet Temperature Checking of Your Visitors and Employees.

Imagine screening your visitors and employees for both weapons and elevated temperatures in a respectful, expedient, touchless manner.

## Introducing the Evolv Thermal Imaging Package for Evolv Express®

In today's world, the need to screen visitors and employees for elevated body temperature in addition to traditional weapons screening is now a reality. Unfortunately, the antiquated screening technology and processes used by most venues are not capable of responding to changing requirements nor are they conducive to social distancing.

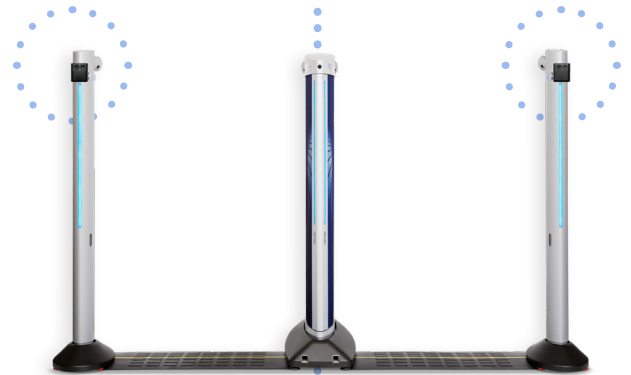
In response to changing health and safety requirements, Evolv has developed and tested a thermal imaging capability to automatically screen visitors for elevated skin temperatures as a proxy for body temperature as they walk through the Evolv Express® intelligent security screening system. This initial elevated temperature alert provides venue personnel with the ability to direct anyone potentially showing elevated body temperature to a secondary screening area or follow venue specific protocols.

### The Evolv Solution

By adding a **thermal sensor** and the Evolv TempCheck™ software application to the Evolv Express weapons detection platform, visitors can be screened for elevated skin temperature of an **average 2-3 seconds** followed by immediate, frictionless, and touchless weapons screening.

Venues can now minimize the chance of their guards, employees, and visitors coming into contact with individuals presenting a potential health threat via a **touchless, safe experience** for all.

DUAL LANE SYSTEM



THERMAL IMAGING SENSOR



## Evolv Thermal Imaging Offers



**Real-time Rapid Threat Screening:** Facilitate high flow (800-1300PPH) weapons and temperature screening in the dual-lane Express.



**Touchless & Safe Experience:** Facilitate a touchless and distance-maintained approach for measuring visitor and employee temperatures to ensure a safe experience for guards, personnel and visitors.

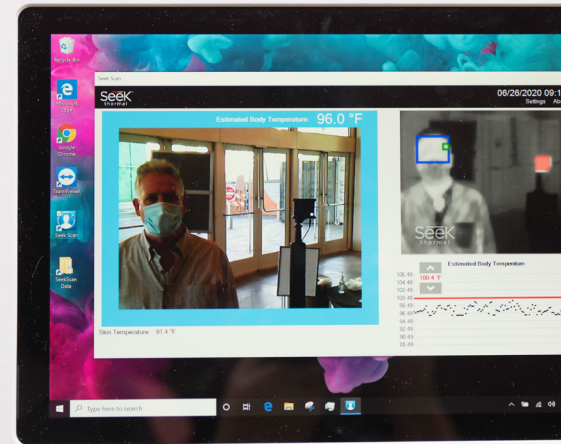


**Confidence & Peace of Mind:** Detect high temperatures that might pose health threats in addition to weapons before entry to drive confidence as customers and employees return.



**Space & Resource Optimization:** Through integration of temperature and weapons screening, facility space and resources can be optimized.

The Evolv Thermal Imaging Package is manufactured in the US, NDAA compliant, and meets FDA guidelines.



## The Evolv Digital Threshold™: Enabling Adaptability for Years to Come

The digital transformation is unlocking efficiency and value everywhere as organizations reimagine archaic processes and technology, better equipping themselves with interoperable and flexible capabilities. Evolv has reimaged physical security by combining the Evolv Express physical platform with the Evolv Cortex AI™ software platform creating the Evolv Digital Threshold™.

The Evolv Digital Threshold uses networked sensors, centralized data stores, machine learning, workflow engines, and cloud analytics to streamline operations and support a better security posture. It provides venues with the flexibility to add additional sensors and applications such as the thermal imaging package, giving users the ability to adapt to new threats and needs over time.

## Why Evolv

Many venues are now faced with a need to evaluate visitors for potentially elevated body temperature in addition to traditional threat screening. Evolv Express with the add-on Evolv Thermal Imaging Package, is an intelligent digital platform that enables contactless weapons detection and elevated body temperature measurement with the ability to adapt to future threats before visitor entry, all while maintaining social distancing.

At Evolv, we are solving the people screening problem with today's best technology and thinking,

making it possible for venues of all kinds to keep visitors safe from concealed weapons, pandemic health threats, and intruders. We have screened more than 50 million people for threats, stopping more than 5,000 weapons.

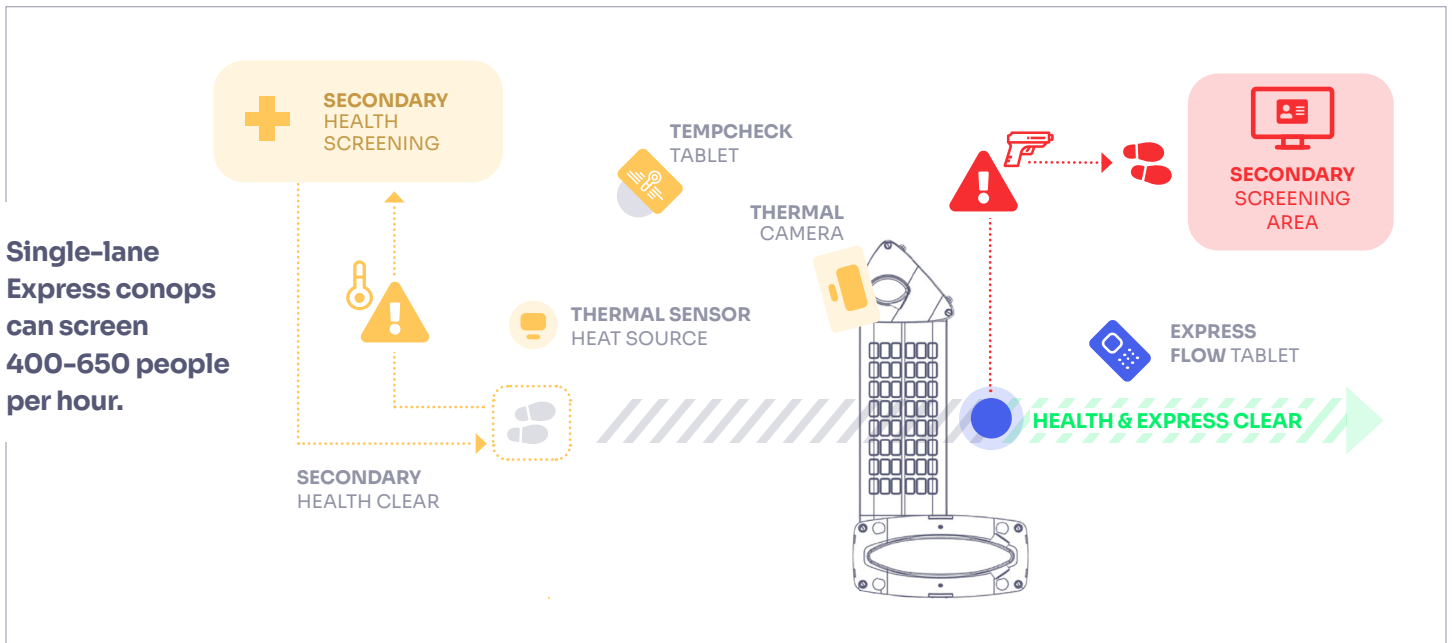
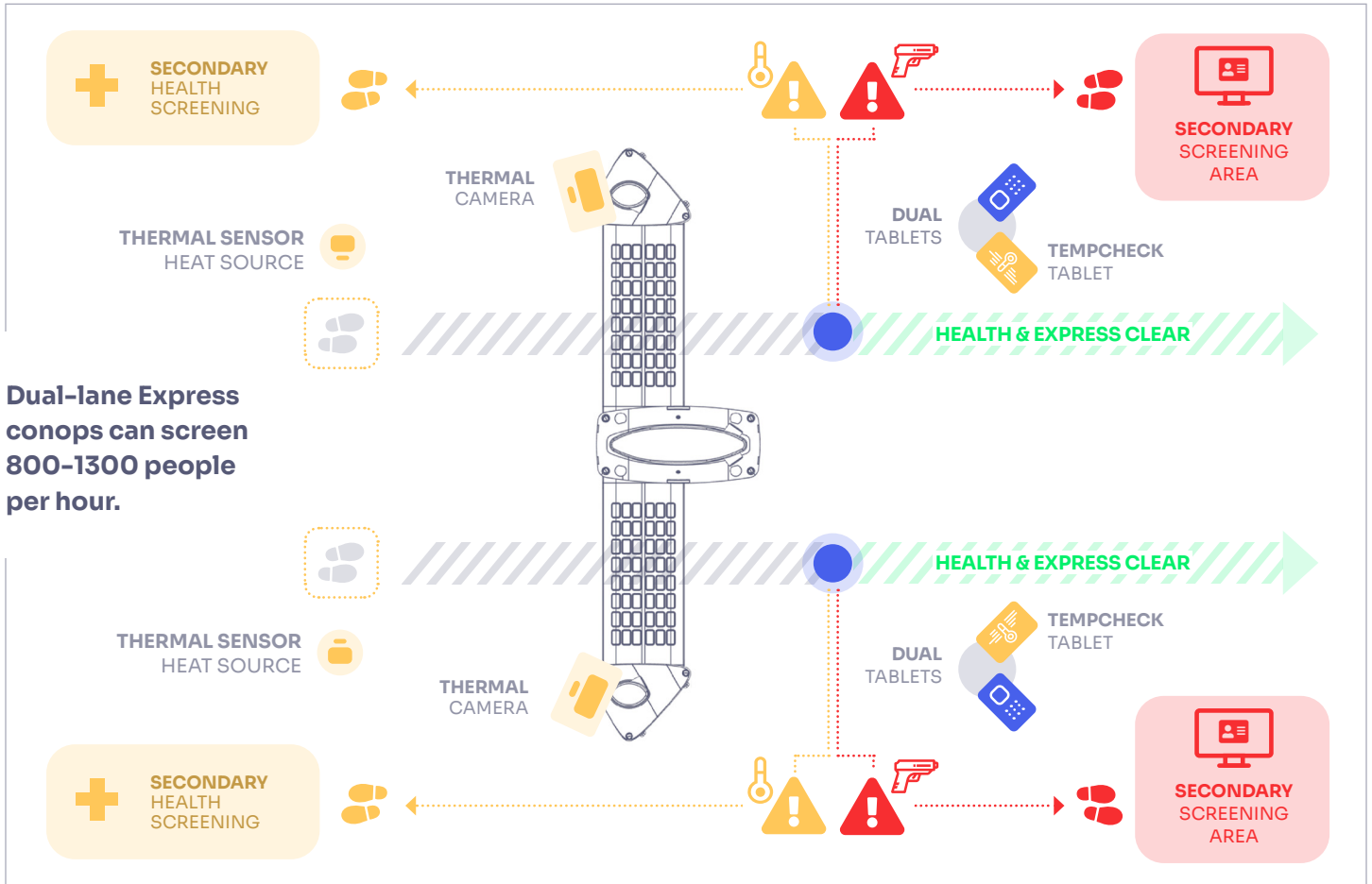
The Evolv Express Intelligent People Screening System combines multi-threat sensing technology with the proprietary Evolv Cortex AI software platform to seamlessly detect threats in continuous or metered people flows with unprecedented throughput. Our advanced technology spots threats before they can do harm, restoring peace of mind to the visitor and employee experience. It's people screening that's intelligent, low-profile, and incredibly accurate.

## Using the Evolv Thermal Imaging Package

The Evolv Thermal Imaging Package includes a thermal imaging sensor mounted on Express, a fixed reference calibration source and mounting stanchion, tablet processor and display, running the Evolv TempCheck software application. Equipping Express with thermal imaging, integrates weapons detection and temperature screening in a single cohesive concept of operations (conop), eliminating the need for multiple separate screening processes and maintaining safe distance. If an employee or visitor walks through with an elevated temperature, TempCheck alerts guards while respecting visitor privacy and enabling guards to take swift action to separate potential health risks for further screening to safeguard employees and visitors from risk of potential health threats.

# Concept of Operations (ConOp) Options

Both the dual-lane and single-lane Express systems can be configured to operate with secondary health screening before or after walking through the Express system depending on space, guard availability and security posture.



OPERATING PARAMETER	SUGGESTED GUIDELINES / CHARACTERIZATION
<b>Height of Visitors</b>	Minimum = 4' 9"   Maximum = 6' 5"
<b>Temperature Range Accuracy</b>	+/- 0.3C (0.5F) between 96F and 104F using Black Body reference source.
<b>Environmental Conditions</b>	Indoor use only in controlled environment. When entering from cold or hot outside spaces, recommend short period of acclimatization before scanning.
<b>Scan Process</b>	Single file "pause and pose" with scan time of an average of 2-3 seconds.
<b>Background &amp; Lighting Conditions</b>	Best results in standard indoor lighting conditions. Avoid reflective backgrounds (blank walls are best backdrop if possible). Direct sunlight can also increase detect and scan times. Camera field of view (FOV) should avoid warm objects such as monitors and lamps.
<b>Face Coverings</b>	While it works with masks on, screening results might be delayed. Note: a combination of multiple obstructions may impact system accuracy. Highly recommend that subjects remove glasses and hats before measurement.
<b>FDA Approval</b>	FDA guidelines published April 2020, state that the FDA accepts the use of thermal cameras for initial body temperature assessment for triage use without a 510(k) clearance provided the system meets the guidance standards (accuracy specification, includes a reference heat source, is made for single person screening, and recommends a secondary resolution). The Evolv system meets all of these applicable standards. System is not 510(k) cleared or intended to replace a medical thermometer. System should not be used to diagnose or exclude diagnosis of COVID-19 or any other disease or condition. The FDA recommends using a secondary evaluation method to confirm fever such as a clinical grade contact thermometer.
<b>Other</b>	Manufactured in the US, NDAA compliant, meets FDA guidelines, and designed to be used in conjunction with ISO/TR 13154:2017 and IEC 80601-2-59, FCC Class A Digital Device, ROHS.

## ABOUT EVOLV TECHNOLOGY

Founded in 2013, Evolv Technology is the leader in human security solving the security screening problems of today with the most innovative technology and thinking. Evolv makes it possible for venues of all kinds to keep visitors and employees safe from concealed weapons, pandemic health threats and intruders. The company's Evolv Express® has earned industry accolades that include the 2020 Edison Awards®, 2020 ASTORS Homeland Security Award, two Campus Security & Life Safety Magazine's Secure Campus 2020 Awards and the 2020 Campus Safety Magazine BEST Award.

Evolv's customers include hundreds of top facilities, venues and iconic landmarks around the globe. Led by a team of security industry thought leaders with a proven track record for delivering first-to-market products, the company holds more than 100 patents.