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Dependable temperature screening with class-leading face recognition

Tascent InSight®Face EBT is leading the way



Screening for elevated body temperatures using non-contact thermal infrared (IR) technologies is an established, internationally-recognized method for mitigating the spread of active pathogens which cause fever.

Thermal screening devices must be both accurate (close to the true value) and precise (highly repeatable) to be of value. Conversely, devices which provide inaccurate or inconsistent readings provide a false sense of safety and exacerbate the very situation they are intended to mitigate.

The ideal approach to measuring body temperatures, according to the International Standards Organization (ISO) and other industry experts, includes the following attributes:

- **Measure the tear duct**
- **High resolution thermal camera**
- **Effective, frequent calibration**
- **FDA approval**

Tascent's InSight Face EBT meets these guidelines and provides the market with superior temperature screening functionality. Coupled with the InSight Face's class-leading biometric face acquisition capabilities and Tascent Enterprise Suite's flexible server platform, InSight Face EBT enables:

- The **automated associated of temperature data** with previously- enrolled identities.
- The option for **streamlined, cooperative enrollment** of new identities at temperature checkpoints.
- The **opportunity to convert a cost into a benefit** – reshaping the basic temperature check, through the implementation of biometric workflows, into an experience that drives efficiency and /or customer service improvements.

InSight Face EBT Specifications:

- Meets current FDA Guidelines for Telethermographic Systems used for COVID-19 EBT measurements
- Telethermographic System Temperature Uncertainty: $< \pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) over the temperature range of at least $34\text{--}39^{\circ}\text{C}$ ($93.2\text{--}102.2^{\circ}\text{F}$)
- Precision (Temperature stability between calibrations): $< 0.2^{\circ}\text{C}$ (0.36°F)
- Noise Equivalent Temperature Difference (NETD): $< 50\text{mK}$ @ 30°C
- Target Pixel Sampling @2m: $< 2\text{mm}$ / Pixel
- Subject height range: 4'6" to 6'4" (extended height range for ADA compliance is available as an option)
- Approval: FDA 510k
- Deployment:
 - Includes a separate black-body temperature reference source
 - Available as a retrofit for existing InSight Face systems

Capability Statement

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Core Capabilities

Biometric Acquisition

- High-Throughput Face-on-the-Move Systems
- High-Performance Multimodal Systems
- Mobile Acquisition & Offline Matching Systems
- IoT Devices and Edge Processing
- Custom Biometric Capture Devices

Identity Management

- Biometric Processes and Workflows
- Vendor-Independent Matching Platforms
- Cross-Enterprise Biometric Identity Services

Biometric Consulting

- Technology Strategy & Business Case Development
- On-Premises, Cloud, Edge, Hybrid Architectures
- Biometric Hardware Design, Optics & Imaging
- Biometric Performance Optimization
- Biometric Usability & Human Factors
- Biometric Test & Analysis



Contact Info

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Key Deployments Include:

- Royal Caribbean Cruise Lines
- First Advantage Corporation
- San Bernardino & Riverside County Sheriffs Dept
- London Gatwick Airport
- International Criminal Court
- Singapore Immigration & Checkpoints Authority

Our Differentiators

- Focus on Product Usability and User-centric Design
- Top-rated Face Performance in DHS Rally 2019
- Flexible Approach: HW, SW, or E2E solution
- Product Platforms Enable Bespoke Devices and Experiences
- U5A Designed / Assembled / Algorithm Options

About us

Tascent harnesses the power of biometrics to enable frictionless experiences in a connected world. Our focus is on creating intuitive hardware, software, and end-to-end solutions that streamline critical identity processes, while making the experiences more fulfilling. Today, our biometric systems operate in some of the most challenging environments, serving tens of millions of people each year. We are proud to be a small US-based business, located in the heart of Silicon Valley.

For more information please visit
tascent.com