Reopen Your Business with Confidence

#1 COVID-19 Response Solution with Thermal Scanner - Safe, Secure and Accurate
Supports COVID-19 response protocols
Protect your business with Turing Shield

Overview

Turing Shield is a COVID-19 response solution which combines enterprise-grade AI powered non-contact body temperature thermal scanners with highly secure cloud-based data management platform to help organizations reopen with confidence and peace of mind.

Turing Shield supports COVID-19 response protocols and aligns with Centers for Disease Control and Prevention (CDC) guidelines. Turing Shield provides highly secured encrypted data management platform with safe and secure record keeping that will help with employee’s worker compensation claims as well as mitigate organizational risk.

Content

COVID-19 Response Solution
Employee/Visitor Walk-through (Access Approved)
Employee/Visitor Walk-through (Access Denied)
Admin/Supervisor Walk-through
Features
Functionality
Data Privacy
Use Cases

Hardware Overview
Features
Specifications
Accessories
Customize Your Brand

Software Overview
High Temperature Alert Tracking
Contact Tracing

Turing Biometrics
Features
Specifications
Model Performance

Enterprise Package (Recommended)

Easy Installation
• Simple Plug and Play Design

COVID-19 Response Protocol
• Built-in CDC health questionnaire
• Face mask detection
• Temperature screening
• Contact tracing capability

AI Powered Data Management Platform
• Centralized monitoring of all thermal scanners
• Safe and secure record keeping with optional biometric data
• Real-Time visibility into high temperature readings
• Time Clock Integration

Access Control
• Modular manufacturing design allows flexible customization
• Supports HID card access, badge printing and many more
COVID-19 Response Solution

Employee/Visitor Walk-through (Access Approved)

- Enter Work Facility
- Touchscreen Health Questionnaire
- Face Mask Detection (Passed)
- Temperature Screening (Passed)
- Badge Printing (Cleared)
- HID Reader (Accessed)

Employee/Visitor Walk-through (Access Denied)

- Face Mask Detection (Failed)
- Temperature Screening (Failed)
- Badge Printing (Failed)
- AI Platform (High Temp Alert)

Admin/Supervisor Walk-through

- AI Platform (Alert/Notification via Email/SMS)
- AI Platform (Review Alert Details)
- AI Platform (Contact Tracing)
- AI Platform (Dashboard Reporting)

Features

- Customizable Health Questionnaire (Text-based or Touch Screen)
- Face Mask Detection
- Temperature screening (±0.5°F/±0.3°C)
- Access Control
  - HID card access, badge printing and many more
- Centralized Monitoring of all Thermal Scanners
- Safe and Secure Record Keeping with configurable Biometric Data
- Real Time Alerts via Email/SMS
- Contact Tracing based on Biometric Data
- Simple and Easy Reporting to support new COVID-19 Legislations

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COVID-19 Response Solution

Functionalities

Centralized Monitoring
• Monitor & manage all devices

Employee Records Tracking
• Health questionnaire records
• Temperature screening
• Optional: Turing Biometrics

Dashboard and Reporting

Data Privacy
• ISO, Cobalt, SOC2 & HIPAA

Contact Tracing
• Review historical records

Android & iOS App

Alerts and Notifications
• Email and SMS

Data Privacy

System is fully encrypted with field-level database encryption and secure HTTPS data transmissions to meet HIPAA data security standards.
COVID-19 Response Solution

Use Cases

Bank  Building Lobby  Business Center  Construction  Dentist Office  Franchises

Hotel  Kindergarten  Finance  Office  Hospital  Restaurant

Retail Chain  Retail  School  Store  Transport  Warehouse

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Including

Albertsons  salesforce

As Seen On

abc NEWS  CBS NEWS  Los Angeles Times  FOX NEWS

Yahoo! Finance  Massachusetts Institute of Technology  USC University of Southern California  Stanford
Hardware Overview

Features

- Result in 1 Second
- Thermal Imaging
- Deception Proof
- Detection w/ Mask On
- Audible Alerts
- Density Alerts
- 7-Inch Screen
- Glare Resistant
- Face Detection
- Water Resistant
- Automated Email & SMS
- Approved

Specifications

<table>
<thead>
<tr>
<th>Camera</th>
<th>Dual Lens</th>
<th>Power Supply</th>
<th>12V DC 2A</th>
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<tbody>
<tr>
<td>Lens Aperture</td>
<td>1/2.8</td>
<td>Operating Power</td>
<td>8W</td>
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<td>Minimum Lighting</td>
<td>0.01Lux@F1.2,AGC ON</td>
<td>Range of Detection</td>
<td>50-104°F(10-40°C)</td>
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<td>Display</td>
<td>7-inch HD LCD Screen</td>
<td>Operating Distance</td>
<td>18 inches (0.5m)</td>
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<tr>
<td>Image Enhancing</td>
<td>Adaptive Light Compensation, DNR</td>
<td>Detection Time</td>
<td>less than 100ms</td>
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<tr>
<td>Video Encoding</td>
<td>H.264</td>
<td>Accuracy</td>
<td>±0.3°C(±0.5°F)</td>
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<tr>
<td>Data Rate</td>
<td>1-4 Mbps</td>
<td>Alert Modes</td>
<td>Voice Alert, Text Messages</td>
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<tr>
<td>Resolution</td>
<td>1920 x 1080</td>
<td>Certifications</td>
<td>CE, FCC, IC</td>
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<tr>
<td>Frame Rate</td>
<td>25 Frames per Second</td>
<td>SDK Support</td>
<td>Linux, Windows</td>
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<tr>
<td>Video Setting</td>
<td>Exposure, Gain, Contrast, Saturation</td>
<td>Support Protocols</td>
<td>HTTPS</td>
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Hardware Overview

Accessories

Stationary Stand

Adjustable Stand

Wall Mount

Base equipped with Turing Data Hub
Hardware Overview

Accessories

- HID Scanner
- Turing Thermal Scanner
  - CDC Health Questionnaire
  - Face Mask Detection
  - Temperature Screening
- Turing Data Hub
- Badge Printing

Enterprise Stationary Stand
Hardware Overview

Customize Your Brand
Software Overview

High Temperature Alert Tracking

Contact Tracing (Powered by Turing Biometrics)

Review historical records from thermal scanner temperature readings and security camera footages
Turing Biometrics

Features

Turing Biometrics model is based on state-of-the-art neural network machine learning algorithms. The models were trained over several millions of face images from more than 100,000+ individuals. Our algorithm can accurately locate and identify the identities in the given images.

Turing Biometrics’ models can be activated to be used in the following ways:

- Face Mask Detection
- Facial Detection and Recognition
- Contact Tracing

Specifications

- The minimal size of the face that can be detected should have no less than 40x40 pixels in an with 1920x1080 pixels.
- The minimal image size uploaded for detection and identification is 80x80 pixels
- Supports JPEG and PNG image formats
- The maximum number of faces that can be added for identification is 20 million.

Model Performance

- The following model performance report is based on testing using random face images
- Test Set 1 (Frontal Face Images) - 1,000 frontal face images that includes background noise
- Test Set 2 (Unconstrained Face Images) - 1,000 online face images that have varied face pose angles

<table>
<thead>
<tr>
<th>1:N Identification Results – True-Positive Identification Rate (TPIR)</th>
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<tbody>
<tr>
<td><strong>TPIR Identifications</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Top 1</td>
</tr>
<tr>
<td>Top 5</td>
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Enterprise Bundle (Recommended)

Package Includes:

- 7" Body Temperature Thermal Scanner
- Stationary Floor Stand *(Most Popular)*
- CDC Questionnaire
- AI-powered Data Management Platform *(1-Year Subscription)*
- Turing Biometrics *(1-Year Subscription)*
- Industry-Leading 1-Year Product Warranty

Please reach out to Turing Sales for detail information
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