

Rapid Elevated Body Temperature Screening Solution

## NeoFace® Thermal Express



NEC's NeoFace® Thermal Express provides rapid, touchless physical access and hygienic thermal screening in demanding, high-throughput environments. Built with industry-leading sensors and top-ranked NEC software, NeoFace Thermal Express achieves fast results and exceptional accuracy. NeoFace Thermal Express operates on our cloud-based NEC Digital Platform—the secure foundation for all our digital authentication solutions—offering sensor management, scalability, interoperability, and numerous other advantages. With its robust capture process and sleek design, NeoFace Thermal Express delivers hygienic, touchless screening in a variety of settings.

## At a Glance

- **Detects elevated body temperatures (EBT) that may indicate a fever, and alerts operators**
- **Detects the presence or absence of personal protective equipment, including face masks**
- **Delivers a scalable and modular platform with enhanced video and thermal analytics**
- **Facilitates high customer throughput**
- **Improves customer experience and decreases or eliminates lengthy queues**

## Solution Overview

NeoFace Thermal Express combines NEC's world-class artificial intelligence (AI)-driven advanced video and thermal analytics technologies with trusted infrared (IR) thermal imaging sensors to deliver a solution that detects body temperatures without contact. NeoFace Thermal Express facilitates access management by allowing healthy individuals to freely enter monitored areas while alerting operators when it detects an EBT. Touchless technology minimizes physical contact, secures access, and offers a safer environment.

Calibrated specifically to measure temperature differences on human skin, our thermal imaging technology delivers superior accuracy in an easy-to-use solution. Locations with entry/exit points, such as building access, airport and seaport boarding gates, border crossings, stadiums, and theme parks, all benefit from the speed and precision of NEC's thermal screening capabilities.

## PROVEN RESULTS:

- **Speedy and hygienic**  
Eliminates the need for physical identification cards
- **Frictionless access**  
Touchless recognition for a seamless journey
- **Thoughtful design**  
User-friendly interface
- **Efficient system administration**  
Enhanced efficiency with improved operator experience

## Best Technology, Lowest Risk

NEC's thermal imaging technology option employs high-quality sensors, including those that have been certified by the US Food and Drug Administration (FDA) for EBT screening – 510(K). FDA-certified devices are those that meet the FDA's recommendations for measuring EBT in conjunction with secondary evaluation methods. Our solution provides high accuracy, tight margins of error, and adaptability, making it desirable for varying operational environments.

NeoFace Thermal Express runs on a platform supporting multiple workflows with both centralized and edge processing and the ability to scale to meet varying use cases, including individual and group screening. The platform supports optional advanced analytics, including camera-based contact tracing, social distancing analysis, people counting and tracking, and crowd capacity limits management.

## Complete Customer Care

NEC's Biometrics Operations Support Service (BOSS) center provides comprehensive 24 x 7 multi-tier customer support for problem tracking and resolution and advanced remote diagnostics. Highly experienced engineers and developers provide technical support and troubleshooting services to ensure our customers get the information and help they need without delay.



## Innovative Force in Identification

NEC is a pioneer in biometric research and a world leader in integrated, high-availability biometric systems for over 30 years. NEC offers capabilities for a variety of modalities, including fingerprint, palmprint, voice, and iris. Under the company's corporate message of "Orchestrating a Brighter World," NEC seeks to create technologies that address the safety, security, efficiency, and equality of societies worldwide, both now and in the future.



## Key Product Features

- Touchless detection of body temperature
- Quality detection in a wide range of environmental conditions
- Presentation attack detection technology using AI
- Monitors appropriate usage of PPE, detecting the presence of masks
- Focuses thermal sensor on key areas of the face
- +/- 0.5° F thermal screening accuracy <sup>1</sup>

**For More Information: 1.800.777.2347**  
[www.necam.com/ARS](http://www.necam.com/ARS)

*1 Depends on the camera sensor, lens, use of a blackbody and environmental use case*

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