Thermal Monitoring Solutions

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  - ZK-Teco Speedface+ Access Control
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- Summary

Why Thermal Monitoring?

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"The advantage of using telethermographic systems for initial temperature assessment for triage use is the potential use in high throughput areas (e.g., airports, businesses, warehouses, factories) and in settings where other temperature assessment products may be in short supply. The available scientific literature supports the use of telethermographic systems in the context of initial human temperature measurement during such a triage process."
US Department of Health and Human Services, April 2020

- Returning employees and visitors to buildings will require taking additional safeguards for health and safety
- Manual processes for temperature checks are not practical long term
- Thermal cameras have long been in use for security and are available and known technology

DIGITAL BODY TEMPERATURE SCANNER SOLUTIONS

CBTS brings together industry leaders to provide the real-time temperature detection you need

- Protect the safety of employees and visitors
- Solutions available for facilities of all sizes
- Body temperature and mask detection
- Full-service implementations available

98.5° F 100.8° F 98.7°

Allow facilities to meet *required initial* measure of temperature screening

Temperature Measurement via Machine Vision Thermal Camera

Alarms for Facial Temperatures Exceeding Thresholds

No Operator Intervention Required

Powered by FLIR Thermal Imaging

Integrate with Access Control Systems

Visual Annunciation – Go/Stop

AI Facial Identification

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Use Cases

Use Cases

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Use Case 1: Controlled Entrances – Standalone Device

Requirement for an already human controlled entrance to validate temperature prior to entry. Small volume of entries.

Use Case 2: Controlled Entrances

Requirement for an already human/mechanical controlled entrance to validate temperature prior to entry. Small to medium volume of entries. May have additional requirements to integrate with existing access control technologies.

Use Case 3: High Traffic Entrances

Requirement to validate temperature prior to entry where individual temperature readings are impractical. Medium to large volume of entries.

Solutions

Use Case 1: HPI Meridian Temperature Verification Kiosk

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Fastest to deploy where a guard or security desk/check station is present.

- The solution can also be programmed for facial identification, with users easily added in a few short clicks.

- Allows for fast way to evaluate employees upon entry and determine if they have an elevated temperature.

- Can validate face mask compliance.

- Alarms can be added to sound when those above the temperature threshold and those without access attempt to enter.

Use Case 2: ZK-Teco Speedface+ Access Control

Capable of integration with facility access controls to automatically deny access to individuals with a raised temperature.

- Detects if a person has acceptable body temperature and/or is wearing a protective mask in less than 0.3 seconds.

- Face and/or palm recognition sensor for various applications including Access Control, Time & Attendance, Visitor Management, Event Management, and more.

- Operates in both total darkness and bright sunlight.

- Available in two sizes and can also be deployed as stand alone. (allowing for integration later with services)
    - 5" Model can store and match up to 6,000 faces.
    - 8" Model can store and match up to 50,000 faces.

Use Case 3: Dahua High Flow Temperature Scan

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Designed for high traffic entrances. Great for large venues such as hospitals, indoor stadiums, and entrances where measuring individuals one at a time is impractical.

• Operators do not have to be near people being screened, limiting exposure to security personnel

• Supports evaluating up to 24 people/second, much faster than handheld solutions and without fear of cross-contamination

• Alerts and reporting of over-temperature information.

• Captures person's identity with facial recognition system feature. (Optional)

Summary

Summary of Offerings

	HPi - Meridian	ZK-Teco	Dahua
Install Services	N	Only Required for System Integration	Depends on Complexity
Integrates with access Control	Limited	Y H/W with all, reporting limited with roadmap expanding	N
Integrates with AD or Time Control	N	Y	N
Requires Active Person to Monitor	Y	Y – Standalone N – Integrated	Y
Degree of Variance	.9° F	.6° F	.5° F
Software Required	N	Yes if reporting is wanted	N

Thank you

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