Lexair

In Motion
Thermal Temperature Monitoring Solution

Lexair Electronics Sales Corporation
Authorized VAR

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The Hand-Held Dilemma

Since one of the key symptoms of the virus is a high fever, airport passengers are being screened with hand-held thermometers to look for individuals who should be quarantined.

However, hand-held thermometers used to detect a rise in body temperature can be time consuming, unreliable, increase manpower, and are unsanitary.

Current Challenges

- Low efficiency of thermometer and infrared detection gun
- Manual temperature measurement workload, high risk
- Manual recording is inefficient
- Personnel information collection is difficult
- Close contact required between device operator and individuals
In Motion Temperature Monitoring Solution Thermal Benefits

High Accuracy
- ±0.54°F (with blackbody)

High Efficiency
- Non-contact temperature detection, quick screening
- Long distance, wide coverage and multi-person detection

Low Cost
- Automatic early warning mechanism, saving manpower and reducing the risk of cross-infection

Strong Adaptability
- Applied to small scenes such as entrances and exits
- Large scenes such as airports and railway stations with dense personnel
- Can be made portable for changing environments

Dating Back
- Realize the historical data backtracking and data analysis with the platform

Long-Term Applications
- Can be used as standard practice for pre-screening employees as they enter the workspace

Normal Temperature: -37°C / 98.6°F.
Typical Use Case with the Wyn Technologies Solution

It is recommended to have a single file line and control separation of people being screened.
The Benefits:

Capture temperatures to within .54 degrees

Display multiple individuals’ temperatures in real-time

Capture temperatures while in motion

View other thermal sensitive items such as weapons
Recommended Installation Parameters

<table>
<thead>
<tr>
<th>Distance between camera and blackbody</th>
<th>Distance between the individual and the camera</th>
<th>Channel Width</th>
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<tbody>
<tr>
<td>9.8ft (3m)</td>
<td>9.8ft (3m)</td>
<td>4.3ft (1.3m)</td>
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Body Temperature Thermal Dual-lens

- 400x300 VOx uncooled thermal sensor technology
- Athermalized Lens (thermal camera), Focus-free
- Visible: 1/2.8” 2MP progressive scan Sony CMOS
- Dual-lens:
  - Thermal 13mm / Visible 8mm
- Support ROI, Motion Detection, Color Palettes
- Support measure body temperature
- Active notification with white light & siren
- Built-in 2/2 alarm in/out
- Spectral Range: 8µm~14µm
- NETD: <50 mK
BlackBody

- Working Temperature: 35°C (environment temperature: 41°F - 122°F)
- Temperature stability: ± (0.1~0.2)°C/30min
- Effective emissivity: 0.97 ± 0.02
- Power: 110VAC
- Ambient temperature and humidity: 0~40°C/ ≤80%RH
16Channel 1U 16PoE AI Network Video Recorder

- Industry embedded micro-controller
- Supports max of 8 Thermal Monitoring Cameras
- 320Mbps (160Mbps when AI function enabled)
- 16-channel IP video access
- Up to 16-channel perimeter protection
- Up to 4-channel face recognition with normal IPC
- 1-8 PoE Ports support ePoE & EoC
- Up to 20 face databases with 100,000 face pictures in total
- 1 HDMI / 1 VGA video output
Full Solution Components

Temperature Measurement
- Blackbody

Accessories
- Camera Power Supply
- Tripod
  - 2 units required
- Mounting Plate
  - 2 units required

Storage
- NVR

Display
- 43” Display
  - Also available in 22” or 32”

A set of temperature measuring equipment requires two tripods, two transfer parts, one for the camera and one for the Blackbody device.
Applications

- Airport
- Railway Station
- Hospital
- School
- Entry and Exit
- Kitchen
- Day Care

Other Markets:
- Correctional Institutions (inmates, legal counsel, and visitor screening)
- Food Distribution
- Retail
- Elderly Care or Senior Living facilities
Due to increased demand, all orders will have a 30-day ETA from date of order being processed.
***Please be advised that this Thermal Temperature Monitoring Solution is not a medical device and is not designed or intended for diagnosis, prevention, or treatment of any disease or condition. The solution is a screening tool that businesses and households can use to identify individuals with elevated skin temperature compared to a customizable reference temperature on or entering their premises.***
Contact Us

To learn more, please contact us at:

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