



Lexair

In Motion Thermal Temperature Monitoring Solution

Lexair Electronics Sales Corporation
Authorized VAR



May 2020

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



Hand-held thermometers can be unreliable due to skin temperature being colder than internal body temperature.

In Motion Temperature Monitoring Solution Thermal Benefits

High Accuracy

- $\pm 0.54^{\circ}\text{F}$ (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

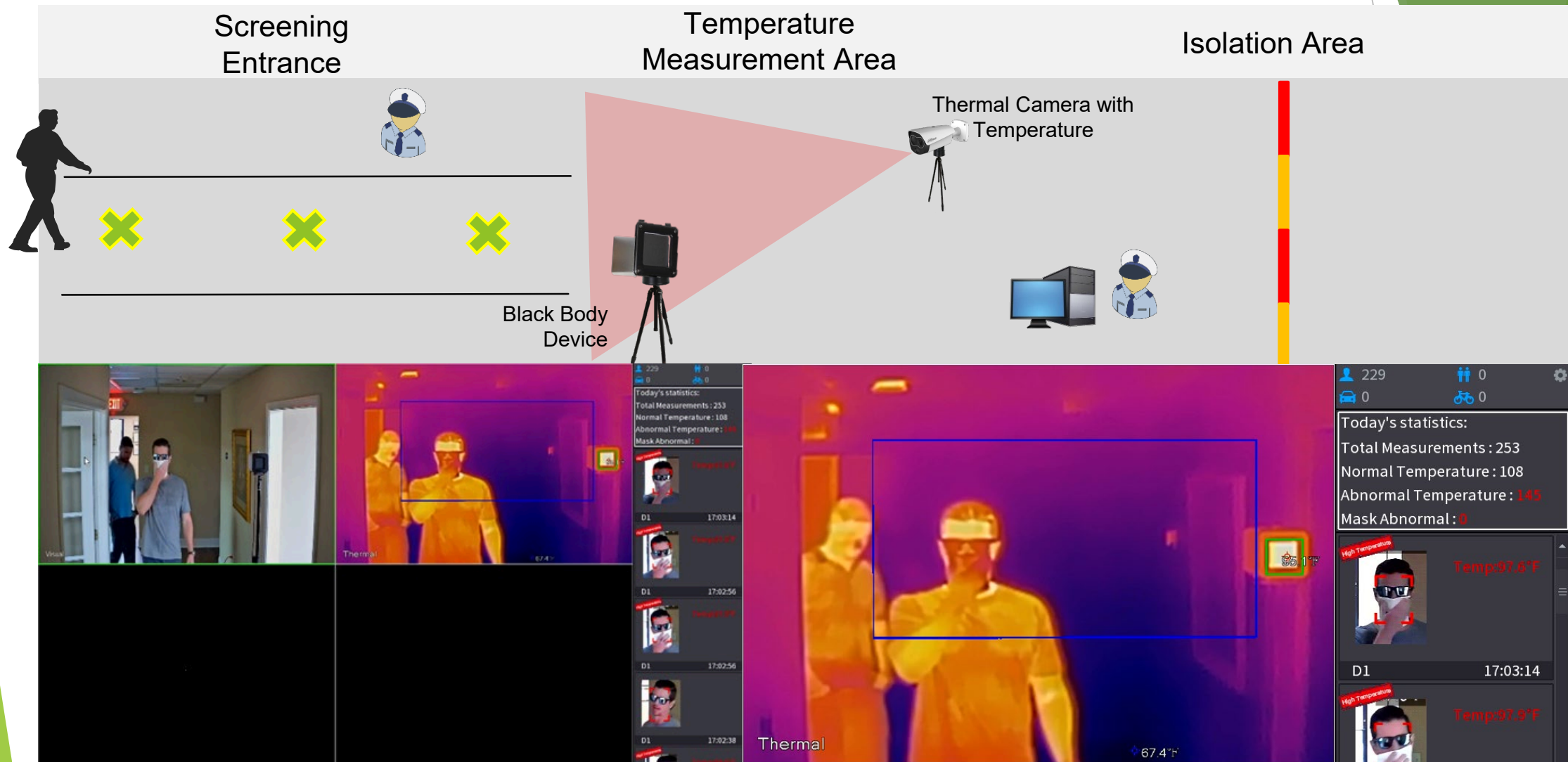
Long-Term Applications

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



Normal Temperature: -37°C / 98.6°F .

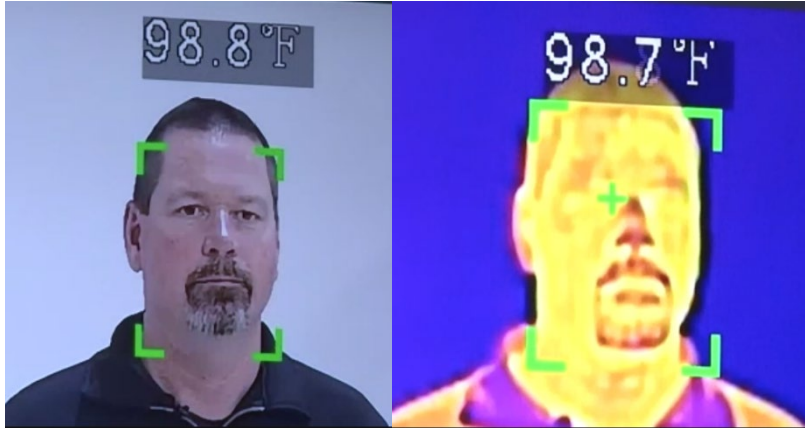
Typical Use Case with the Wyn Technologies Solution



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

The Benefits:

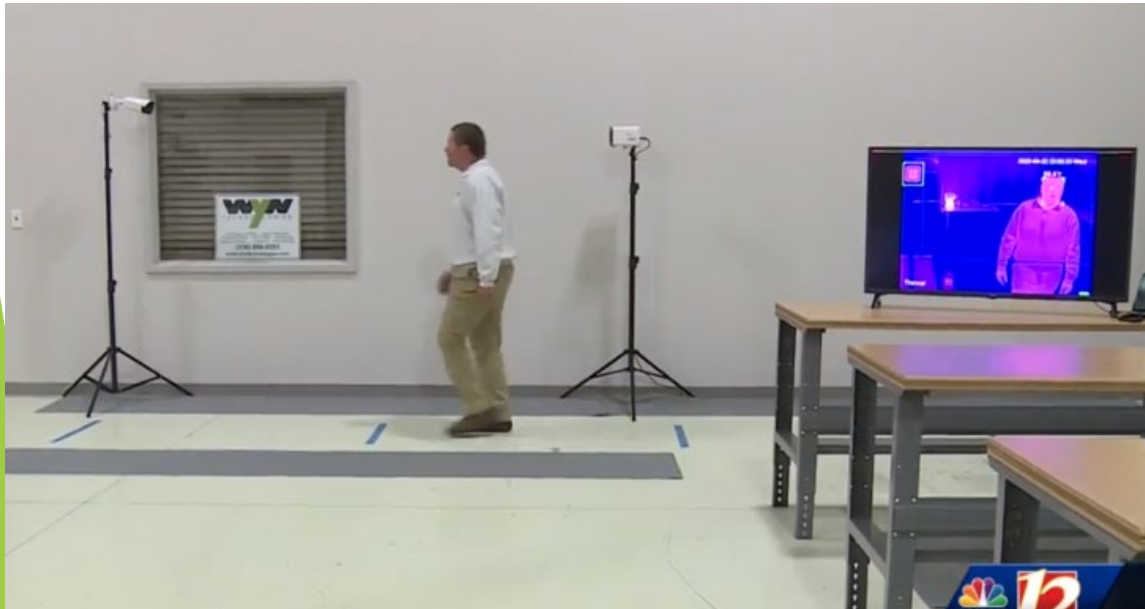
Capture temperatures to within .54 degrees



Display multiple individuals' temperatures in real-time



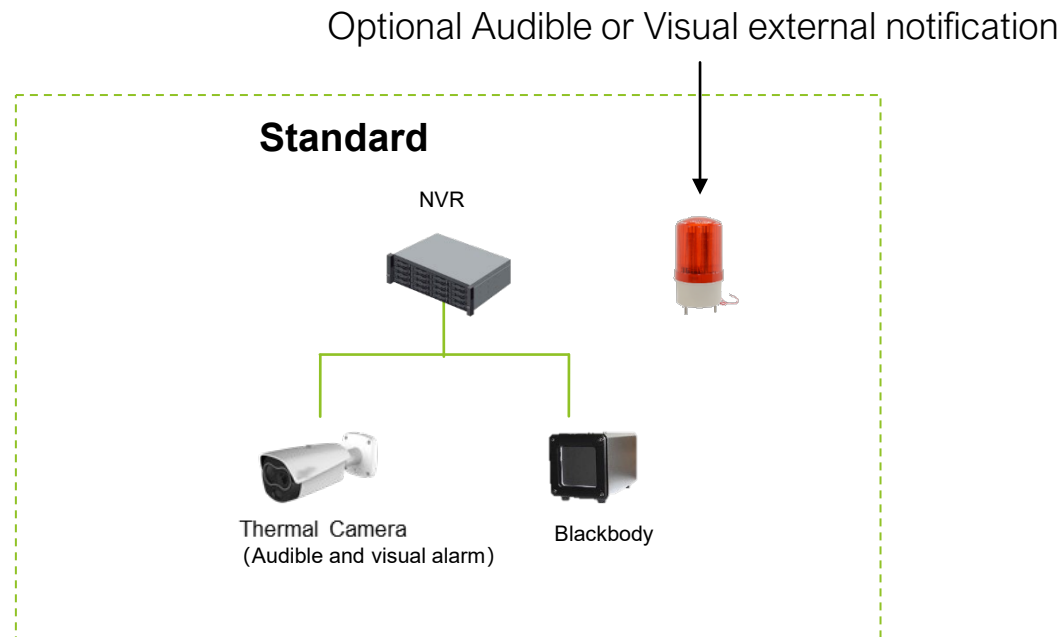
Capture temperatures while in motion



View other thermal sensitive items such as weapons



Recommended Installation Parameters



Distance between camera and blackbody	Distance between the individual and the camera	Channel Width
9.8ft (3m)	9.8ft (3m)	4.3ft (1.3m)

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: 8 μ m~14 μ m
- NETD: <50 mK



BlackBody

- Working Temperature: 35°C (environment temperature: 41°F - 122°F)
- Temperature stability: $\pm (0.1 \sim 0.2) ^\circ\text{C}/30\text{min}$
- Effective emissivity: 0.97 ± 0.02
- Power: 110VAC
- Ambient temperature and humidity: 0~40°C/ $\leq 80\% \text{RH}$



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

New



Blackbody

New



Thermal Monitoring
Camera

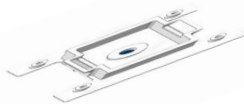
Accessories



Camera Power Supply



Tripod
2 units required



Mounting Plate
2 units required

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

Storage



NVR

Display



43" Display
Also available in 22" or 32"

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

Availability

Due to increased demand, all orders will have a 30-day ETA from date of order being processed.

Legal Disclaimer

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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