Dell Thermal Scan Human Based Monitoring (hBM)

SOLUTION BRIEF

INDUSTRY CHALLENGES

The need to protect oneself and others from harmful viruses has never been greater. What's required today are accurate, fast and physically mobile solutions that:

- Protect patients, customers and employees
- Identify elevated body temperature in real-time
- Reduce virus spread from unknown carriers
- Implement autonomous screening systems and processes
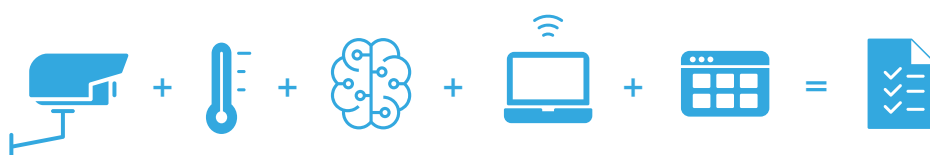
SOLUTIONS OVERVIEW

When accuracy matters, IntelliSite and Deep Vision deliver. IntelliSite delivers the industry's most complete, human temperature scanning and monitoring solution available today. Only IntellSite enables calibration of the hBM system to a pre-set value or "Normal" (N) temperature, marking all human readings within a 0.1Celsius range off this predetermined N.

In short, IntelliSite's hBM helps:

Identify High Risk Individuals - Real-time identification of human temperatures with IntelliSite's hBM Solution is intended to help organizations reduce mass exposure to high-risk immune-compromised individuals.

Ensure Accurate Outcomes - IntelliSite's hBM Solution utilizes a unique AI and proprietary Iot Condition-Based Monitoring platform to greatly reduce, if not eliminate false readings. Standard solutions can allow for temperature variances within the camera's depth of field giving a human temperature read that is often inaccurate, particularly with environmental changes throughout the day.

Cloud-Based Remote Management - IntelliSite and Deep Vision combine thermal cameras, artificial intelligence and cloud-based management to recognize the slightest change in individual temperatures to create actionable intelligence that matters at a time when it's needed most.

KEY FEATURES & BENEFITS

End-to-end solution from design, applications and installation to world-class monitoring, maintenance and support, enabling:

- Thermal temperature calibration that can detect elevated body temperature in real time, enabling immediate action if/when needed most
- Powered with Deep Vision AI and IoT Monitoring Platform to enhance accuracy and reduce human error
- Personalized portals where users can monitor activity and results, set alerts for real-time notification and responsiveness
- Turnkey solution with pre-tested configuration and complete installation service
- Managed service support and monitoring for ongoing management and maintenance
- Additional AI Modules can be enabled for people counting, facial recognition and demographics, object detection, access control and more

IntelliSite Thermal Vision Solution Bundles

Centralized Kit

- Partner thermal cameras* (1, 4, 8, 10 or 15 based on config)
- Dell PowerEdge R740 server + 1, 2, or 4 NVIDIA GPUs (based on configuration)
- Partner SW & Installation Services
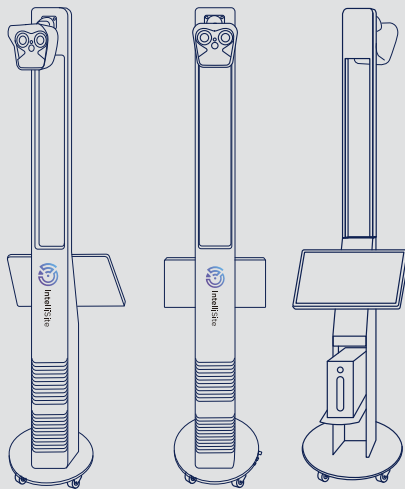- GUI & AI License*

Mobile Advanced Kit

- Partner thermal camera (1)*
- Dell 24" Touch Monitor: P2418HT
- Dell Precision 3431 Small Form Factor +1 NVIDIA GPU
- Partner Camera & AI SW & Installation Services
- GUI & AI License*

Mobile Kit

- Partner thermal camera (1)*
- Dell Touch Monitor
- Dell Precision 3431 Small Form Factor +1 NVIDIA GPU
- Additional Licensure for Facial Recognition and Camera Management Required

SOLUTION OUTLINE AND COMPONENTS

CONNECTIVITY

- 4G LTE Cradlepoint Router
- Verizon Wireless Service Plan (SIM card)
- Cloud-based Services

HARDWARE

- Thermal Camera
- Small Form Factor Workstation
- Touchscreen Display
- Cart

SOFTWARE

- IntelliSite's DeepVision AI (Temp. Measurement)
- IntelliSite IoT Platform (data metrics, people counting)
- IntelliSite Cloud Engine runs on any cloud or on-premise
- Easy Configuration and Deployment UI
- Alerts and Notification Panel
- Expandable AI-based software features on same platform
- Mobile Access and alarms (SMS, Video, Phone Call)

KEY ADVANCED SOLUTION FEATURES

TURNKEY SOLUTION. Pre-tested and proven solution design. Turn key deployment and installation service.

POWERED WITH AI. Artificial intelligence based human targeting to enhance temperature measurements. Self-calibrated temperature measurement system.

MANAGED SERVICE. Managed service support and monitoring optio for management and maintenance.

PERSONALIZED PORTALS. Users can monitor activity and results and set alerts for real-time notification and responsiveness.