Powered By NVIDIA

MALONG

ThermalNet

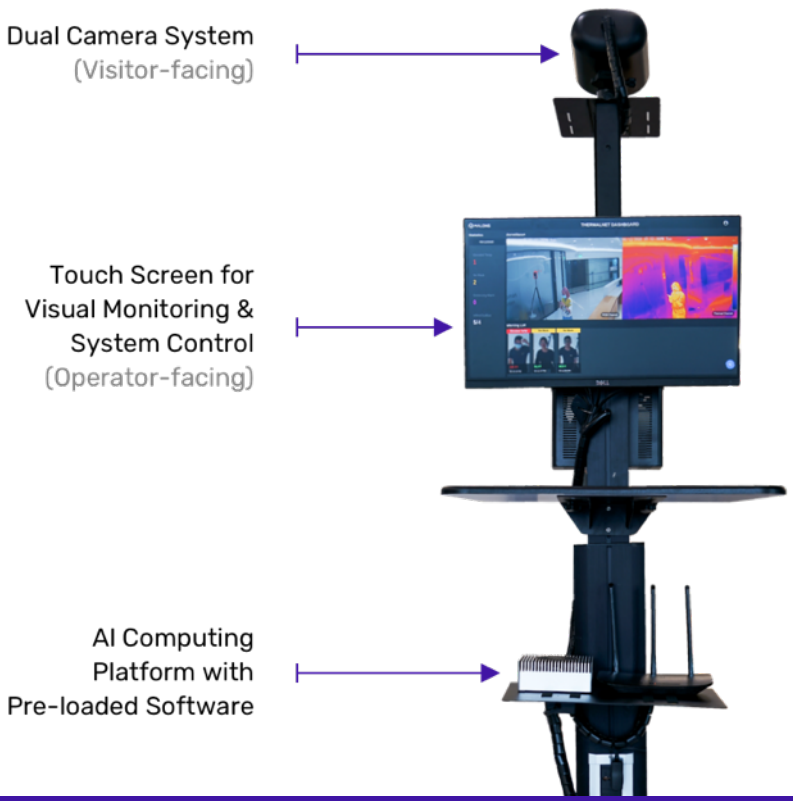
AI-Based Dual Camera Hazard Screening System

MLTNSX01

- Multiple High-value AI Models Integrated
- Privacy-first: PII/Faces Blurred in Real-time
- Large-scale Screening (Up to 150 People/Min)
- Secure, Enterprise Alerting & Dashboard

Introduction

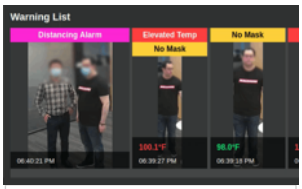
ThermalNet is an AI-based dual camera thermal + computer vision screening system that can be utilized by enterprises to help people stay safe during epidemics. Powered by multiple world-class AI models, the system can accurately detect and alert on potentially dangerous temperature levels *combined* with PPE, occupancy, and social distancing compliance. This is a ready-to-deploy system, integrating all key elements: sensors, AI computing device with pre-loaded software, and a touch screen for monitoring & control.



Key Features

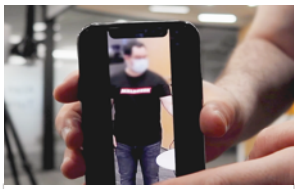
- **High Temperature Detection**
- **Social Distancing Detection**
- **Mask Wearing Detection**
- **Coughing / Sneezing Detection**
- **People Counting**

ThermalNet



SMART ALERTING

- **High temperature detection** (even at high volume)
- **Social distancing detection** (how far is configurable)
- **Mask wearing detection** (for surgical, N95, and DIY)
- **People counting** (inflow/outflow to manage volume)
- **Coughing / sneezing** and more in the roadmap, available via secure over-the-air model updates.



PRIVACY PROTECTION

- PII/faces in alerts are blurred automatically, combined with non-blurred body portraits.
- No personal identifiable information about any visitor is collected, distributed or stored.
- The device can work stand-alone without any network connection. Secure out of the box.

CUSTOMIZABLE DEPLOYMENT

- Operator-free built-in UI/controller with dashboards for config and monitoring.
- Configurable alert notifications which can trigger based on multiple conditions (e.g. high fever and no mask).
- Slack/API alerting integration for secure, easy team mobilization and collaboration.

HIGH PERFORMANCE

- Accuracy with Black Body: ≤ ±0.54°F (±0.3°C).
- High volume capacity, up to 150 people/min.
- Use dashboard to set up custom target zones to minimize noise.
- Automatically adjust based on ambient temperature conditions.

Ordering Information

Available for Orders Today, Shipping Worldwide. Contact: bd@malong.com

ThermalNet Pro MLTNSX01-P	Software Capabilities - Supports elevated temperature detection, mask detection, people counting, social distancing, and analytics - Built-in Slack integration, API, remote dashboard management Dual Camera System - IR camera and visible camera integrated into cart or tripod - Accuracy: ≤ ±0.54°F with Black Body, without: ≤ ±0.9°F AI Computing Platform - NVIDIA Jetson AGX Xavier 512-Core GPU and 65 Tensor cores Touch Screen - 24" Full HD (1080p) 1920 x 1080 at 60 Hz Wireless Networking - 150Mbps 4G modem, with Wi-Fi
ThermalNet Basic MLTNSX01	Software Capabilities - Support elevated temperature detection only - Local dashboard management Dual Camera System - IR camera and visible camera integrated into cart or tripod - Accuracy: ≤ ±0.54°F with Black Body, without: ≤ ±0.9°F AI Computing Platform - NVIDIA Jetson TX2 256-Core GPU Touch Screen - 24" Full HD (1080p) 1920 x 1080 at 60 Hz
Black Body Radiator MLTN-IRBB01	Black body, default temperature 104°F, target surface uniformity ≤ 0.18°F, Temperature stability accuracy ≤ ±0.36°F, emissivity 0.98

Disclaimers:

- The ThermalNet device is not intended to diagnose the existence of specific medical conditions; screening results from ThermalNet are for the purposes of initial assessment only.
- Malong reserves the right, without notification, to make changes in product design or specifications.