

AI POWERED HIGH PERFORMANCE THERMAL SCREENING SOLUTION

AI-TV-35 Cam Module

I/O Sense Platform
WiFi/4G-LTE

Overview

AI-TV-35 is a very powerful yet compact 4G-LTE enabled screening solution with a thermal and RGB camera suitable for remote monitoring and screening people's temperature. It is equipped with AI enabled facial tracking for accurate localization and tracking of people's temperature for quick and efficient isolation of feverish individuals without manual exposure of any personnel.

Key Features



Contactless Solution



High Temperature Accuracy



Cloud based analytics and records



Quick Detection & Instant Alerts



Plug & Play Setup

The setup includes thermal camera, pre-configured internal processor, tripod (optional), smart local screen(optional). Just assemble and get started.



AI Driven Accurate Measurement & Instant Detection

Proprietary artificial intelligence embedded on edge processor to accurately detect & isolate people with higher body temperature.



Intelligent Alerts

local buzzer to quickly alert the nearby people in case of high face temperature. The system also broadcast the SMS & emails to all the concerned stakeholders.



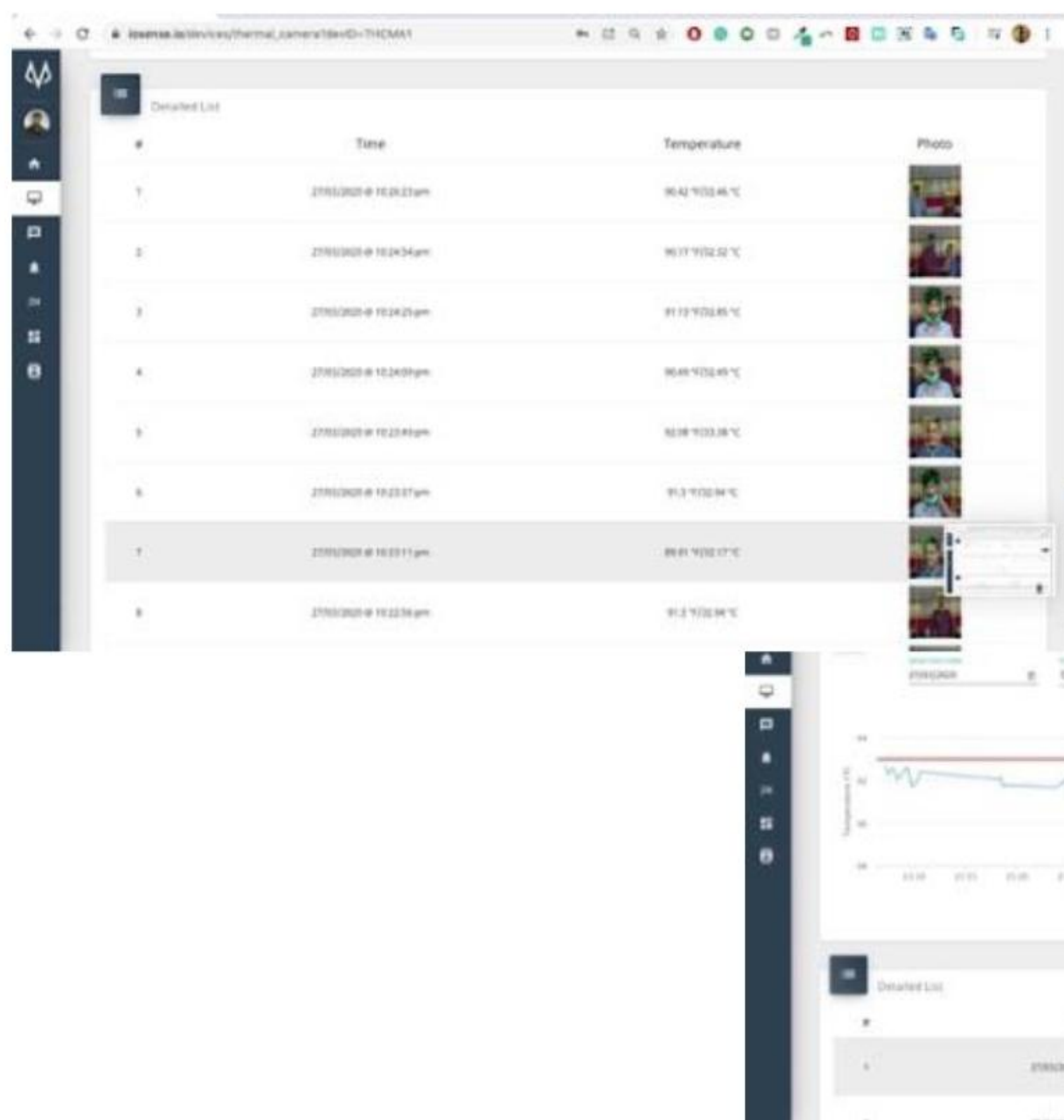
Seamless Wireless Connectivity

All the ST-35 cam modules are continuously uploading the images & results of screened people to a common cloud based platform using either Wifi or 4G.

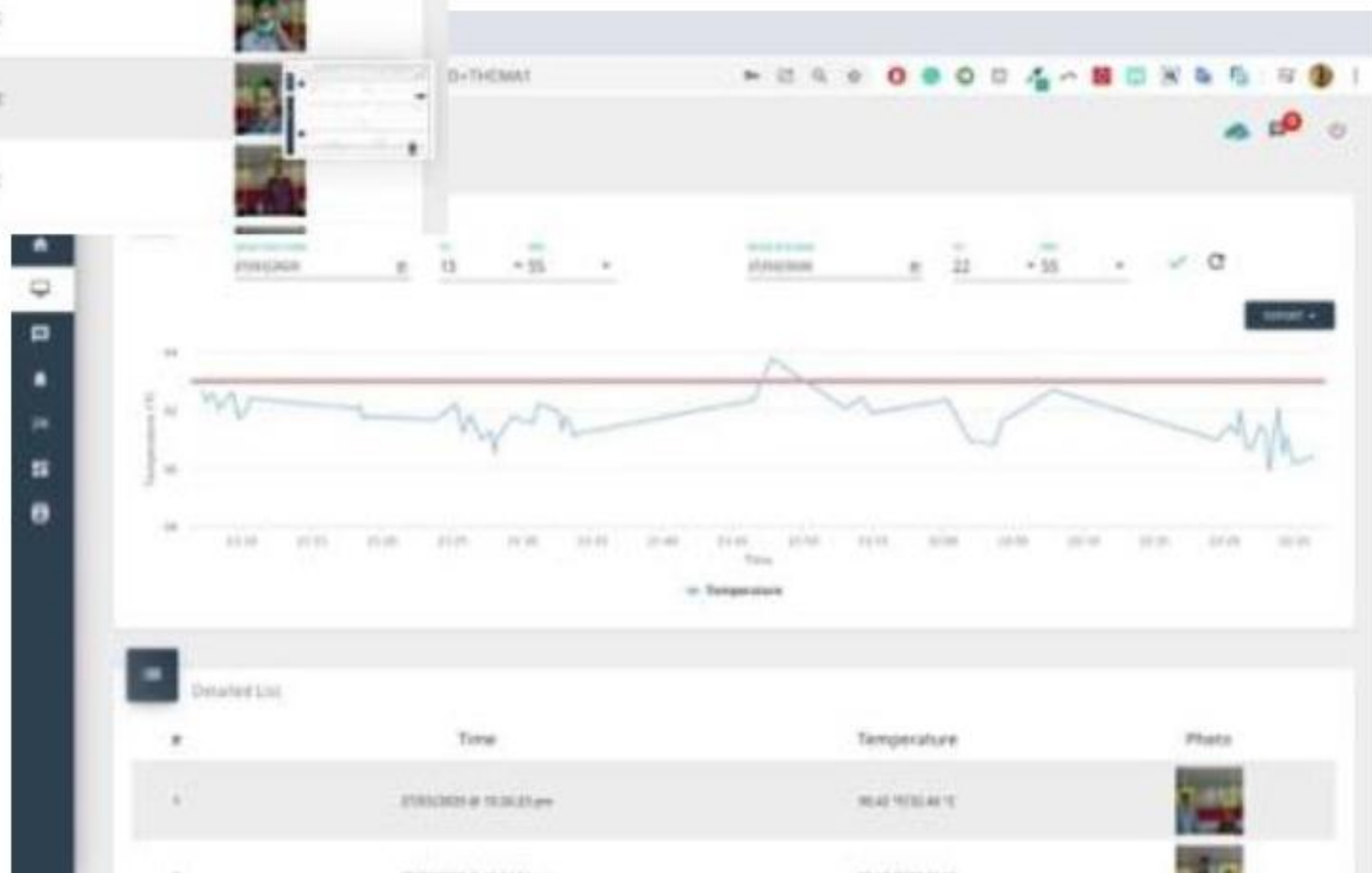


Software Application with Global Access (I/O Sense Cloud Platform)

Centrally monitor & analyze all the photos, results, temperature trends, anomalies etc. captured from all the connected cameras installed at different sites.



List of all the screened people along with photos & results



Temperature profile of one ST-35 module with benchmarking

Specifications

Communication	FDD LTE: B1/B3/B5/B7/B8/B20 TDD LTE: B38/B40/B41 WCDMA: B1/B5/B8 GSM: 900/1800 WiFi 2.4 GHz 1x Gigabit Ethernet Port (Optionally POE)
Thermal Camera	32x24 pixel thermal camera Accuracy: +/- 0.5 °F Operating Distance: 1 - 3 Meters
RGB Camera	720p60 IMX219
Time to Analyze	~ 1 second
Automation	AI Powered face detection and temperature localization
Cloud Integration	I/O Sense IoT platform Integrated (<i>Dashboards, reports, alarms, analytics and automation managed centrally</i>) Signed URL File Upload SSL Secured MQTT (<i>Automatic face recognition and syncing temperature data to cloud</i>) Locally hosted web app for quick and efficient configurations
Video streaming	IP Streaming HDMI Out
Alarms/Notifications	LED Indicators for quick screening Hooter option for Alerts Configurable set points
FOTA (Firmware Over the Air)	YES
CPU Core	Quad core 64-bit ARM-Cortex A72 (1.5GHz) LPDDR4 2/4 GB RAM
Enclosure	Complies to IP-65
Mounting	Wall Mounting / Tripod mounting / Table Top
Operating Temperature	-20°C to 60°C, Storage: -25°C to 80°C
Power Input	220V AC/12V DC

Note: We pursue a policy of continuous research and product development. Specifications and features are subject to change without notice.