

BODY TEMPERATURE DETECTION SYSTEM

ACCURATE, FAST AND RELIABLE MASS TEMPERATURE DETECTION SYSTEM

INTRODUCTION

The Concept Pro Body Temperature Detection System can accurately detect facial temperatures of up to 40 people at once with an accuracy of $\pm 0.5^{\circ}\text{F}$, this is ideal for monitoring body temperatures at entrances to events, transport hubs and buildings.

This system comprises of the camera, an NVR, a temperature calibrating device as well as all the necessary brackets for installation.

Using advanced facial recognition, the system uses the face temperature for a more accurate measurement. This also stops any false readings, such as a person carrying a hot drink. With astonishingly fast response time and being able to measure up to 40 people at once, the system will reduce the need for single file detection, aiding in the speed of people passing through the detection area.

BENEFITS

Concept Pro's Leading Technology



Accurate face tracking in real time.

A face recognition algorithm is used to accurately measure the temperature of a persons face.



Bi-spectrum, dual channel All-weather real-time monitoring

Visible light is all that is required to capture the human face, allowing the thermal imaging to monitor body temperature in a variety of conditions



Multiple detections at once.

Up to 40 target temperatures measured at once at a distance of 3-5 meters



Highly accurate temperature detection.

Modified $\leq 0.5^{\circ}\text{F}$ (emissivity, distance, ambient temperature, etc.)

ADVANTAGES COMPARED TO TRADITIONAL SYSTEMS

Body Temperature Measurement System		Traditional Thermometer Temperature Measurement
40 people can be temperature measured within 30ms	VS	16 personal temperature measurements in 16s
40 plus people can be measured simultaneously in real-time		Only able to complete 1 temperature measurement at a time
Dynamic real-time continuous detection		Need arrangement. Irregular measurement
Intelligent automatic temperature detection		Manual temperature measurement

CONCEPT PRO BODY TEMPERATURE MEASUREMENT SYSTEM

- 40 plus people can be measured simultaneously in real-time.
- Dynamic real-time continuous detection, aiding in a continuous flow of people through the system rather than a stop and start.
- Facial detection technology means that temperatures are logged from an accurate location on the body, eliminating misreads from things like heavy coats or hot drinks.

TRADITIONAL THERMOMETER TEMPERATURE MEASUREMENT

- Complete 16 people's temperature measurements in 16s
- Can only log 1 person's temperature at a time.
- A more stop and start process including stopping 1 person at a time.
- Manual temperature measurements with increased need and risk for physical contact for staff.

KIT COMPONENTS

THERMAL CAMERA



1. Temperature measurement accuracy $\leq 0.5^{\circ}\text{F}$.
2. Supports up to 40 targets at the same time.
3. Temperature measurement response time $\leq 30\text{ms}$.
4. Best distance for measurement: 3-4m.

BLACKBODY



1. Blackbody is a standard temperature source used for temperature calibration
2. When taking temperature measurements, results can be greatly affected by environmental factors, this product allows the system to continually calibrate in real time through the blackbody.

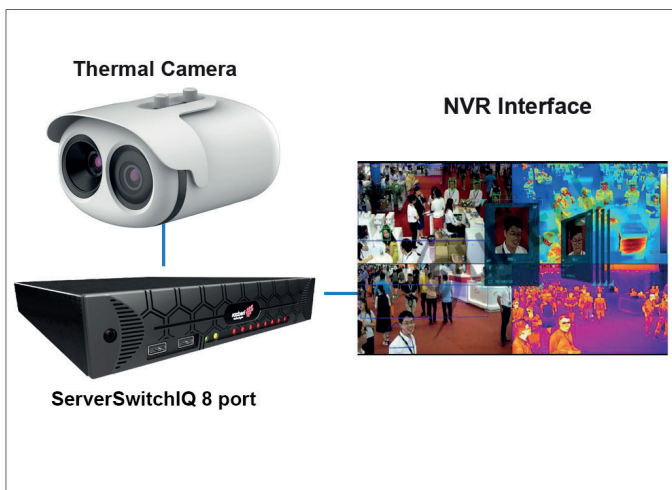
SERVERSWITCHIQ™ 8 PORT



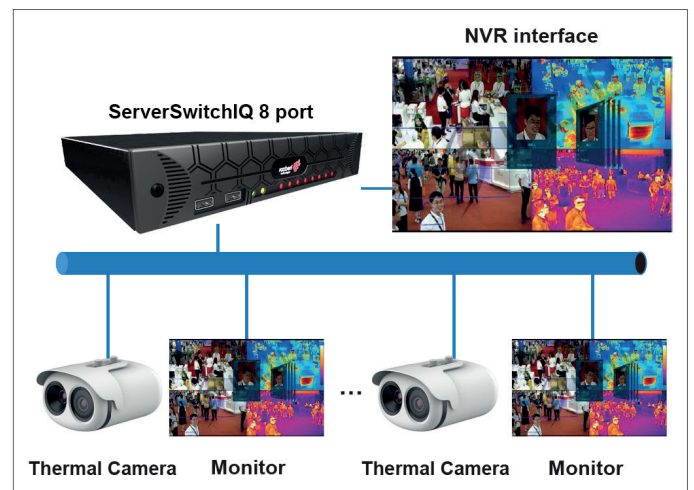
1. Dual purpose workstation and data center
2. Suitable for single-point emergency deployment and small or medium-sized project selection.

APPLICATION EXAMPLES

SINGLE POINT APPLICATION



MULTI POINT APPLICATION



CASE STUDIES

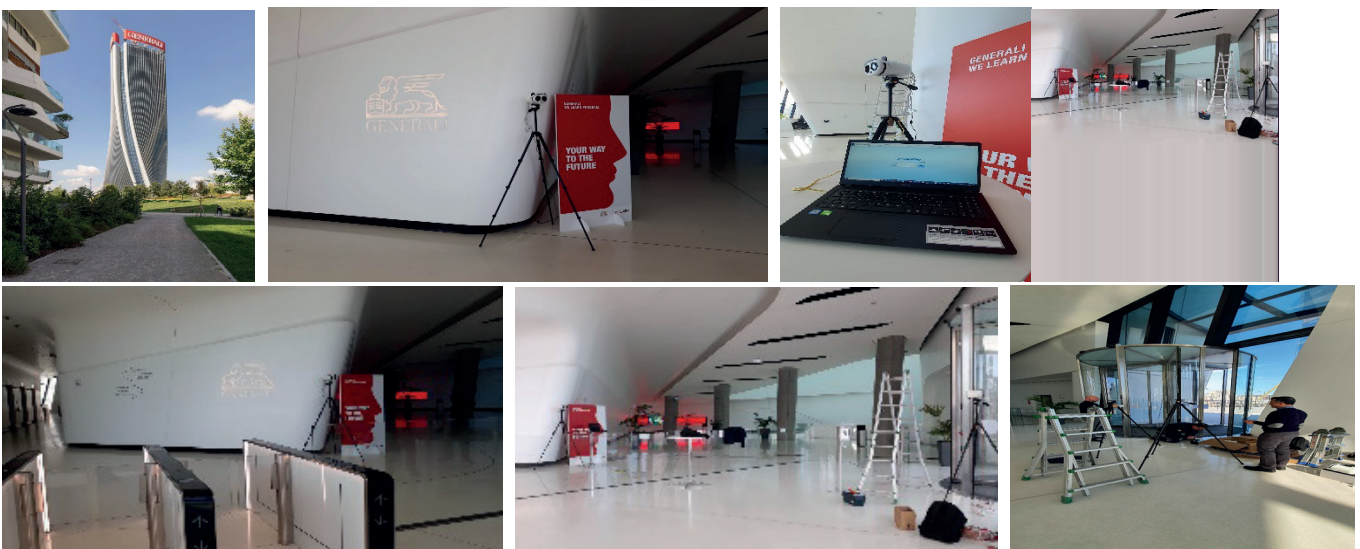
VENICE INTERNATIONAL AIRPORT

15 kits installed have been installed in Venice Airport to monitor a high influx of people coming from a variety of countries.



ITALIAN INSURANCE COMPANY

6 kits were installed to monitor the temperature of the people walking into a large commercial building.





ABOUT TELAID

Telaid has a consistent track record of delivering even the most complex technology projects on time and on budget. For nearly 40 years, technology integrator, Telaid, has served its clients by deploying excellence and exceeding expectations. Flexible and resourceful, Telaid is a single provider of rapid deployments, cradle-to-grave technology solutions, wireless and physical security.

Telaid can handle your complex, enterprise rollouts.

To learn more about Telaid and our capabilities, or to speak with one of our experts, contact us:

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The Concept Pro thermal body detection system is not intended to diagnose, prevent, or treat any disease or condition, and it is not intended for medical use. The Concept Pro Solution measures body core temperature via facial detection which is not 100% correlated. Specifications and undocumented specifications are subject to change without notice or liability.