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 ±0.3°C, 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

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



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

temperature, etc.)

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



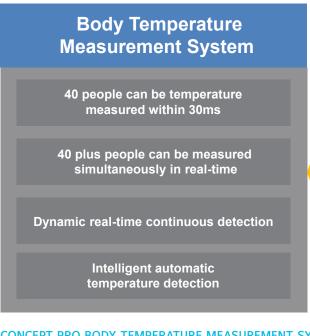
Multiple detections at once.

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



Highly accurate temperature detection. Modified ≤0.3°C (emissivity, distance, ambient

ADVANTAGES COMPARED TO TRADITIONAL SYSTEMS





Traditional Thermometer Temperature Measurement 16 personal temperature measurements in 16s Only able to complete 1 temperature measurement at a time Need arrangement. Irregular measurement 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.

Thermal Detection System

KIT COMPONENTS

THERMAL CAMERA



BLACKBODY



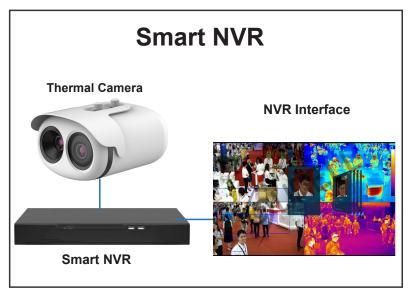
SMART NV



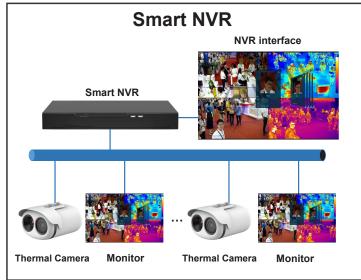
- Temperature measurement accuracy ≤ 0.3°C.
- Supports up to 40 targets at the same time.
- Temperature measurement response time \leq 30ms.
- Best distance for measurement: 3-4m.
- Blackbody is a standard temperature source used for temperature calibration
- When taking temperature measurements, results can be greatly affected by environmental factors, this product allows the system to continually calibrate in real time through the blackbody.
- Integrated with face detection.
- Suitable for single-point emergency deployment and small or medium- sized project selection.

APPLICATION EXAMPLES

SINGLE POINT APPLICATION



MULTI POINT APPLICATION





Beijing Chai Hospital

Thermal detection system





50 kits were deployed into one hospital to help staff reduce the amount of physical contact with potentially infectious patients. Multiple installations around a location also allows for more casual monitoring rather than forcing people through checkpoints.







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











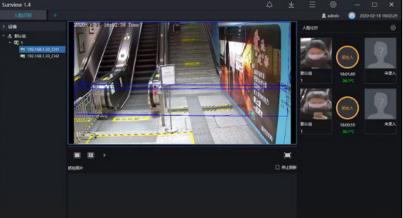




6 kits were installed to monitor the temperature of the people walking into a large commercial building.

Fuzhon Subway Station









In the deployment, 200 kits were implemented into a subway system to detect body temperatures under areas of intensive, fast moving traffic.



About Johnson Controls

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers, and manufacturing. With a global team of over 100,000 experts in more than 150 countries and over 130 years of innovation experience, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Ruskin®, Titus®, Frick®, PENN®, Sabroe®, Simplex® and Grinnell®.

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