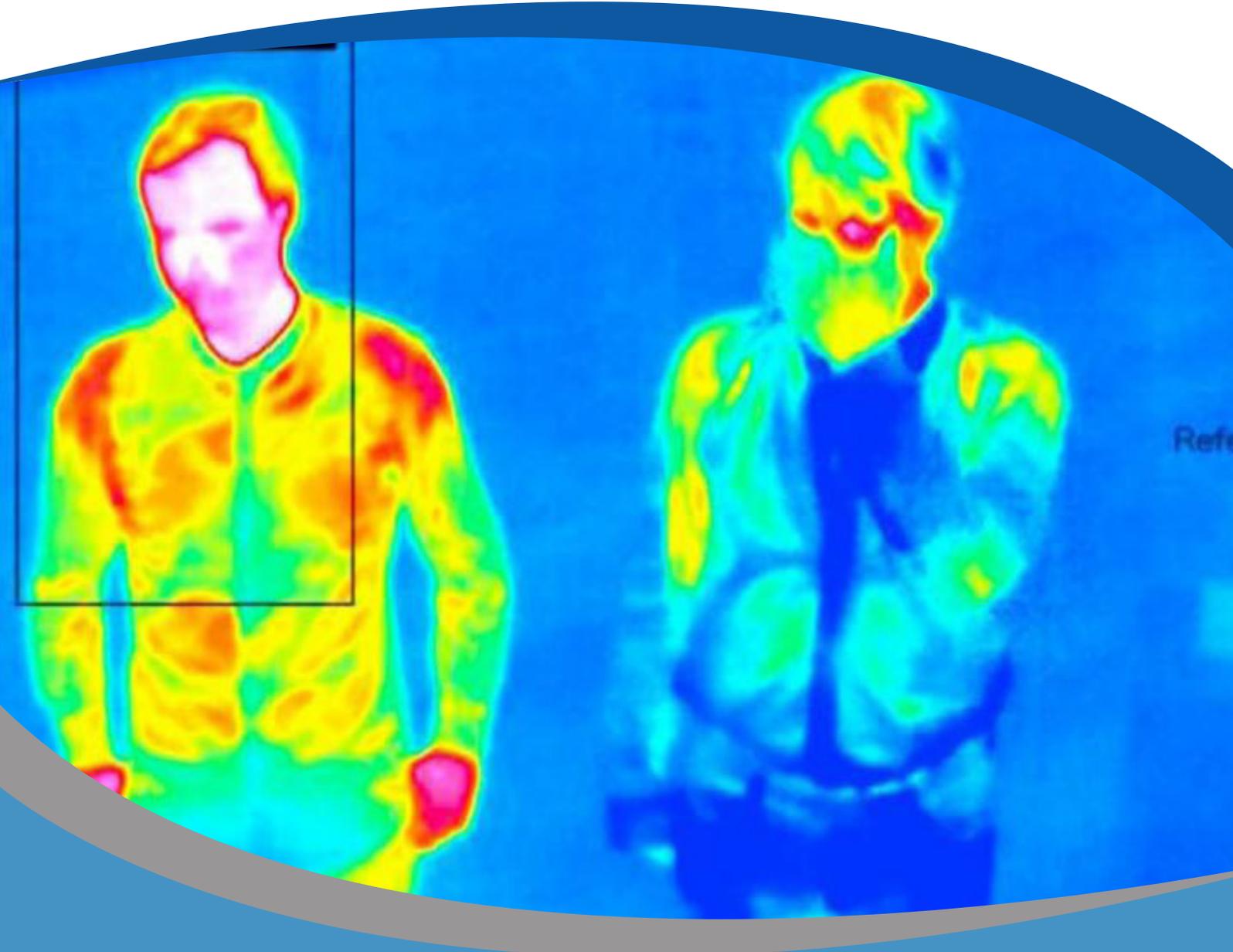


FullView
S Y S T E M S



Thermal Imaging Cameras

Enhancing Workplace Safety & Security

MOBOTIX
BeyondHumanVision

Contact us:
www.fullview.ie
info@fullview.ie

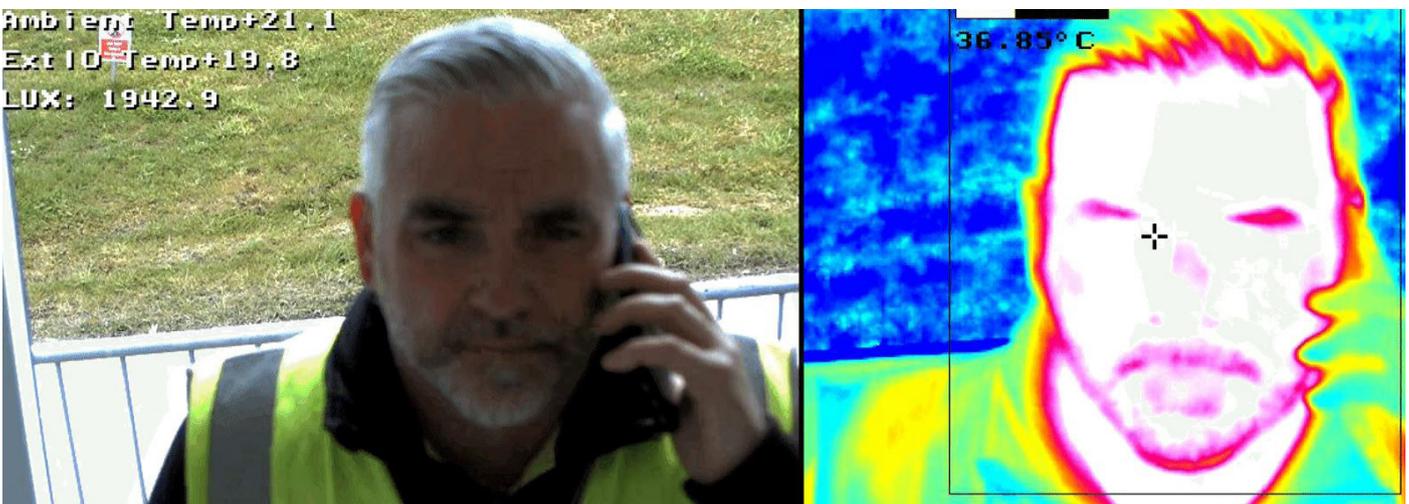
Thermal Solutions

Detecting Temperature Ranges with MOBOTIX TR Technology. More and more companies, authorities and institutions use MOBOTIX thermal technology as a proactive warning system. MOBOTIX TR (Thermal Radiometry) technology allows you to measure thermal radiation in the entire image area and assign a temperature value to each pixel.

- Detection of persons/objects
- Display of temperature differences from 0.1°C
- Alarm in case of exceeding or falling below defined temperature ranges
- Event Triggers (alarm, network message, activation of a switching output)
- Screening via special TR windows or the complete sensor image
- Temperature range from -40 to +550 °C

Thermal Imaging Cameras

Thermal imaging is a non-contact technology that makes the thermal radiation (mid-infrared) of an object or body, invisible to the human eye, visible. In thermal imaging, temperature distributions on surfaces and objects are recorded and displayed. The bolometer matrix (image resolution) is considerably lower in terms of the number of pixels than in cameras for the visible spectral range.



In contrast to cameras with optical image sensors, a thermal camera can detect extremely small temperature differences and visually display them with colors. MOBOTIX thermal cameras can monitor temperature differences as low as 0.1 °C, which is within the peak range currently available for general use.

MOBOTIX's range of thermal cameras not only provide meaningful thermal images, but can also automatically trigger temperature notifications and events within a temperature range of -40 °C to +550 °C. These state-of-the-art systems then also serve to automatically alarm temperature limits or ranges, which is crucial for the timely detection of sources of fire, heat or malfunction.

The MOBOTIX thermal image (with additionally activated MxActivitySensor) shows significantly more details than the lower-performance thermal imaging cameras.

Measurement accuracy and calibration of TR technology

These measured values can be used to trigger an event (camera alarm, network message, activation of a switching output, etc.) when a predetermined value is exceeded or not reached, depending on the logic programmed. The ideal measuring object is a black body with emissivity 1, bare metals are at values of 0.1 and lower (bodies with reflecting surfaces have generally a lower emissivity), human skin has an emissivity of typ. 0.98. On the other hand, the camera measures not only the radiation coming from the object itself, but also that reflected back from other objects, for example from a table or window.

To increase the measuring accuracy, a black body radiator is often used in practice. This is installed directly next to the measuring object and enables an exact reference value adjustment. Furthermore, the closer an object is to the camera and the more stable environmental conditions are, the more accurate the measurement can be.

THERMAL CAMERAS IN THE WORKPLACE

Easy to set up

We offer a range of solutions to suit your business needs, whether for “stop and scan” temperature readings or “walk through” solutions. All are easy to install and easy-to-use and can be up and running in minutes, installed in lobbies, hallways and other key access points to help businesses, institutions and venues provide a safer environment for staff, customers and visitors.

Features and Benefits

Detects elevated temperature:

Precise temperature measurement with a fixed heat source to maximize accuracy.

Stop and Scan: Fixed heat source (black body) and target are set 5 feet from camera. The black body is included in the thermal image for increased system accuracy.

Enables social distancing: Give the same performance as a temporal thermometer, while maintaining safe social distance.

Cost effective solutions: A range of prices and solutions are available to meet your particular requirements.

Where to use?



Warehouses



Hotels
Restaurants



Hospitals
Care Homes



Airports



Educational Facilities
(schools, colleges, universities)

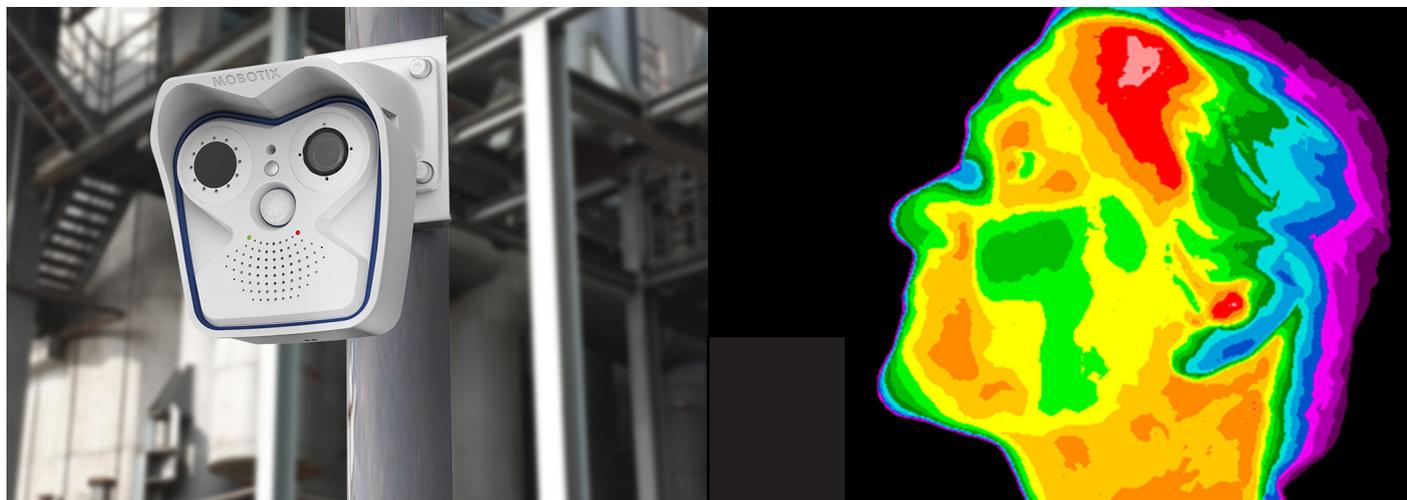


Retail

Thermal imaging solutions are suitable for use in a variety of locations and can be configured to connect to a mains power outlet.

What is included?

Your thermal camera system will be configured to include all of the elements needed to ensure you can get your system up and running as quickly as possible including cameras and brackets, cabling if required.



Frequently asked questions:

Q: Do these systems detect the presence of Covid-19?

A: No, the solution has been designed to identify subjects displaying a body temperature outside the normal range, allowing the subject to be selected for medical screening.

Q: Do the systems require mains power?

A: Our cameras operate using POE which allows us to rapidly deploy to a location without access to mains power.

Q: Is the system operator at risk?

A: These solutions allow for non-contact temperature measurement at distance; the system operator does not need to be in the same environment as the subject. Our solutions also provide options for remote communication using speakers and a microphone.

Q: Can these systems be deployed outdoors?

A: No, to operate effectively these systems are ideally deployed in a location with near constant ambient temperature and minimal airflow to ensure accuracy.

Q: Can systems be integrated into our existing CCTV system?

A: Yes, however, a survey will be required to ascertain what, if any, additional components may be required to facilitate integration.

Q: How is the subject notified if the operator is remote?

A: All our solutions have options for communication such as automated voice messaging, local alarms, secret sign activation etc.

Q: Can thermal cameras be integrated to our Access Control system to prevent entry?

A: Yes, thermal solutions can be integrated into a wide variety of third party-system, including Access Control, Speed Gates etc. (site survey required)

Contact us

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