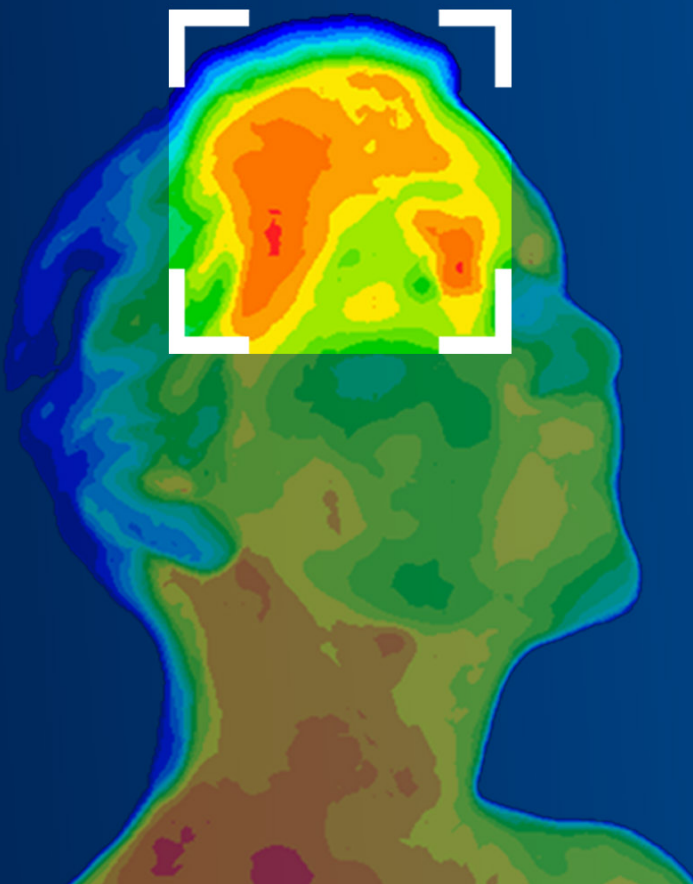




# Elevated skin temperature scanning solution



Tyco Illustra Pro Thermal EST

The power behind **your mission**



# Contactless and accurate

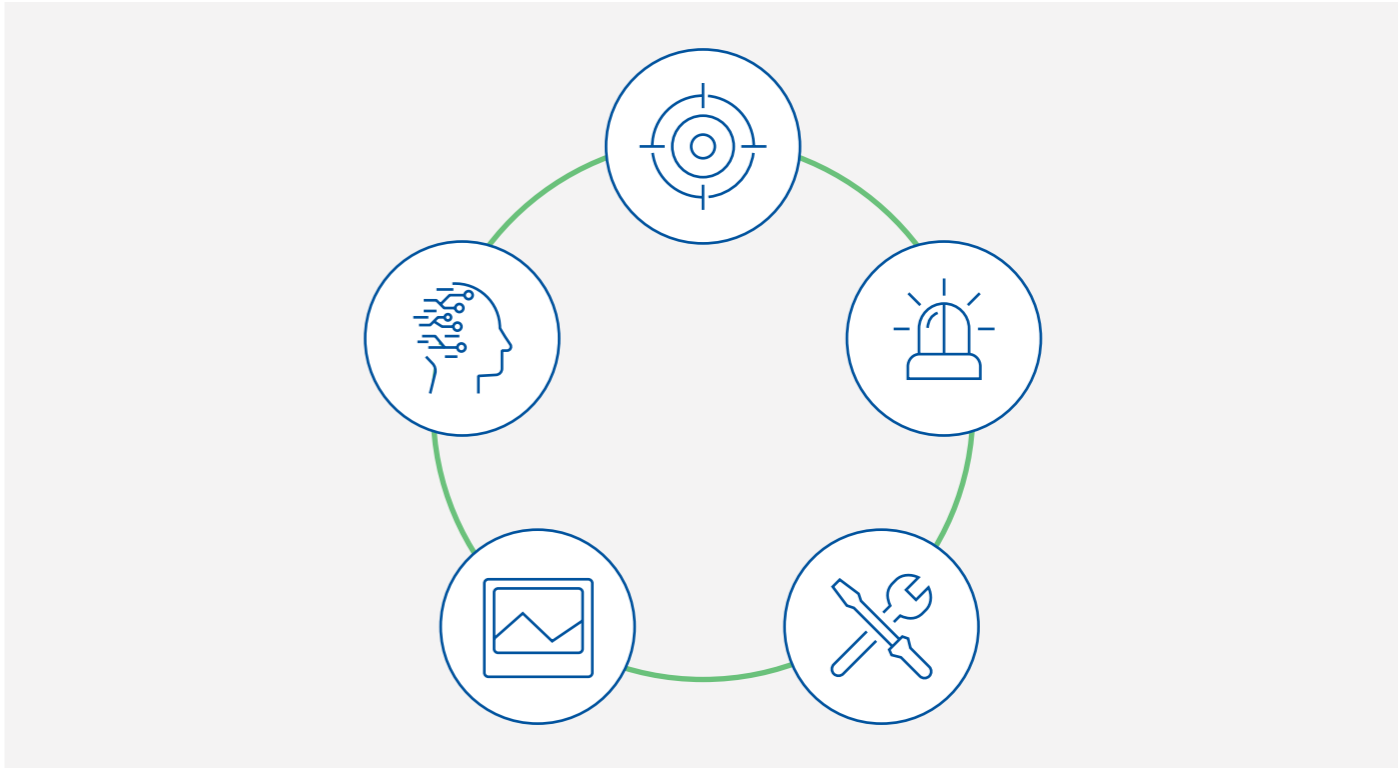
In challenging, ever-changing times, we all need to continue our busy lives. We need to do this safely and limit contact with others as best we can.

The Tyco Illustra Pro Thermal EST Camera, being contactless and therefore non-invasive, is ideal for deployment at controlled entrances to areas and facilities where initial skin temperature scanning is needed for staff and visitors. With a  $\pm 0.2^{\circ}\text{C}$  ( $\pm 0.4^{\circ}\text{F}$ ) accuracy tolerance and an effective distance of 1-2 meters (3.3-6.6 feet) in Single Face usage mode, this elevated skin temperature scanning solution provides a high degree of flexibility to meet the individual situational awareness requirements of a wide variety of installations.

Tested by UL for accuracy, drift, stability and uniformity of the IEC 80601-2-59:2017 standard and complying with the U.S. Food & Drug Administration's COVID-19 Enforcement Policy criteria released in April 2020..



# Your first line of defense



**High accuracy**

High accuracy at  $\pm 0.2^{\circ}\text{C}$  ( $\pm 0.4^{\circ}\text{F}$ ) in Single Face usage mode, with a correctly installed Blackbody calibration device.

**Smart**

Advanced Face Detection engine to ensure only forehead temperature is detected for fewer false readings.

**Interactive**

Quickly and easily be alerted to temperature events so as to reduce response times.

**High-quality images**

Up to 5MP resolution on visible images – TWDR ensures detailed view in both light and dark areas.

**Flexible**

Various mounting options to fit diverse user scenarios.

# What is the elevated skin temperature scanning solution?

The Tyco Illustra elevated skin temperature scanning solution is made up of a dual sensor – one thermal and one color camera, and a temperature calibration device known as a Blackbody.

By using advanced face detection technology in conjunction with dual sensors, the camera will measure the temperature of a person's forehead whilst the Blackbody provides the constant temperature reference point.

Should someone in the field of view be detected with a skin temperature above a predetermined level, an operator can be alerted through a variety of possible methods, ranging from alerts in the VMS, events in an access control system, a connected light/sounder to the camera, or even through a web browser connection.



# Benefits of elevated skin temperature scanning solution

| Thermal video temperature measurement   | Traditional temperature measurement  |
|---|--|
| <p><b>Contactless</b><br/>No physical contact or face-to-face communication for a non-invasive experience.</p>                                | <p><b>Close contact</b><br/>Manual temperature measurement by handheld thermometer requires face-to-face communication.</p>  |
| <p><b>Traceable information</b><br/>The temperature event can be stored within a compatible video management system.</p>                      | <p><b>Isolated information</b><br/>Manual recording provides the possibility of untraceable pieces of information.</p>   |
| <p><b>More reliable</b><br/>Automated system to reduce the possibility of incorrect operation.</p>  | <p><b>Potentially unreliable results</b><br/>Manual operated temperature checks increase the risk of human error.</p>  |
| <p><b>Efficient</b><br/>A person does not need to stop for the temperature measurement, which saves time and improves the flow of people.</p> | <p><b>Low efficiency</b><br/>One-by-one close contact measurement at an entrance increases measurement time which will in turn lengthen queues and cause delays.</p> |

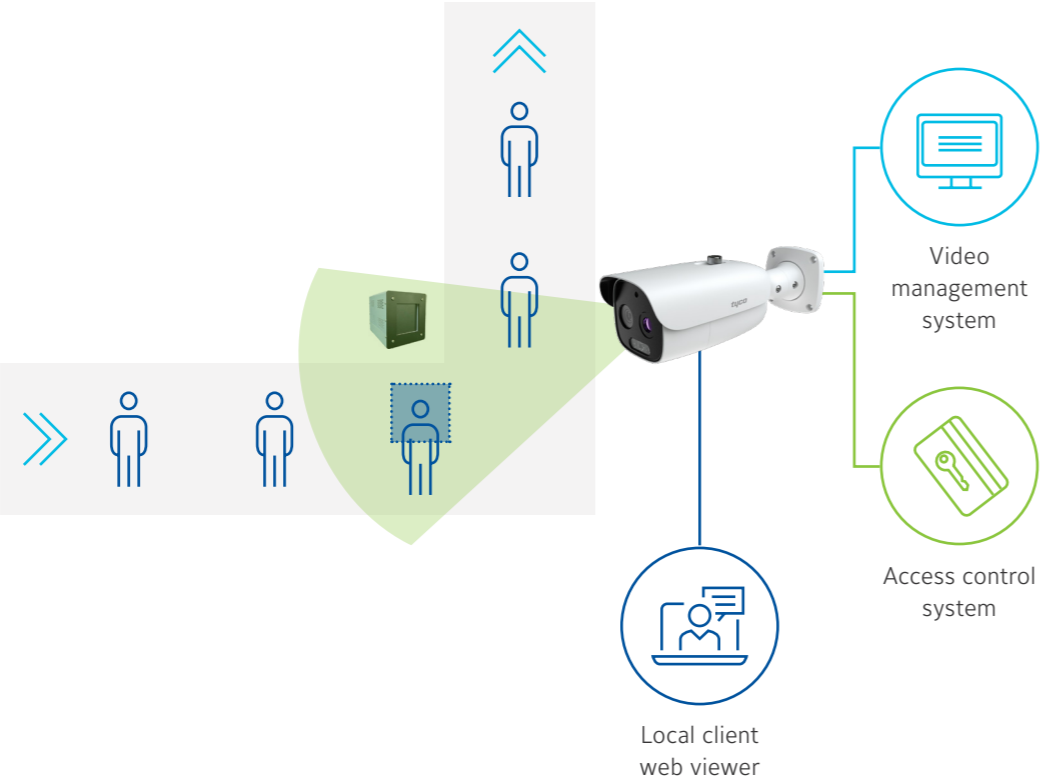


# One product, integrated solutions

The system is available in a standalone version with local web page monitoring and integration\* with the Tyco victor/VideoEdge and excaqVision VMS, or as a third-party VMS through ONVIF/iAPI3 protocol.

It also supports alarm output to external sources, such as access control, for unified security management.

\* Please contact local Tyco representative for details on integration.



The thermal camera can output live video with temperature information in different views by connecting with the local client.



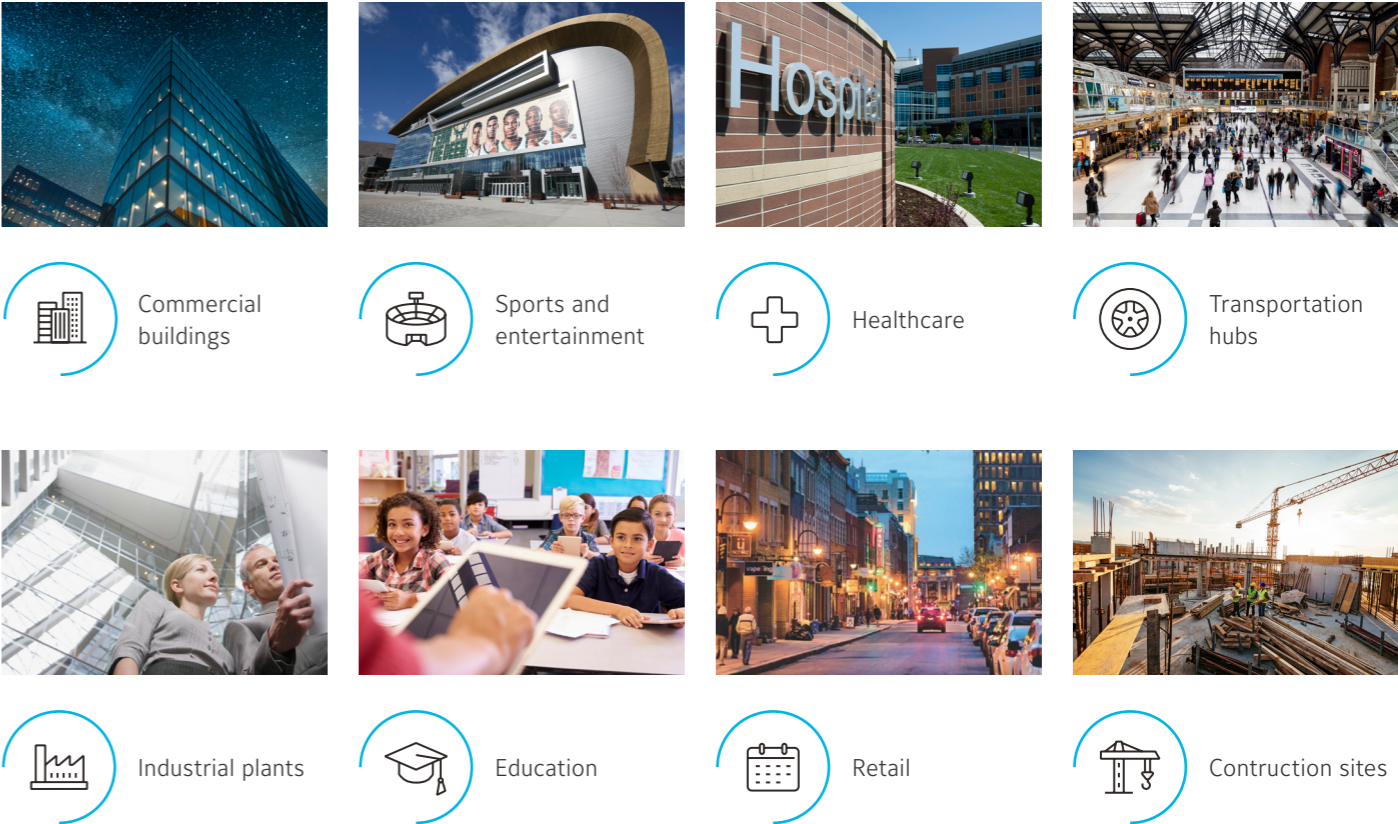
Visible/thermal dual-image view

Visible view only

Picture-in-picture

Thermal view only

# Use cases



**Important Notice:** Elevated body temperatures identified by the Tyco Illustra Pro Thermal EST should be confirmed with secondary evaluation methods, such as contact thermometers. Temperature measurements should not be solely or primarily relied upon to diagnose or exclude a diagnosis of COVID-19, or any other disease. The Tyco Illustra Pro Thermal EST does not cause and cannot eliminate or prevent occurrences of the events that it is intended to detect or avert. This product is not intended to diagnose or monitor any medical condition or illness and should not be used as such. The product is supplied as a first-line filter for organisations that wish to identify those entering premises who may have an elevated body temperature. It is then for the organisation to determine how that information is used, and the appropriate reaction to that information. Competent medical advice should be sought if there are concerns around illness, and further checks will be required.



## About Johnson Controls

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