

Thermal Detection



WESCO understands that the COVID-19 pandemic has changed the nature of how business is done. Although many offices, buildings, schools, and campuses remain closed or operate with skeleton crews, the need for effective safety and security measures at these locations remains at an all-time high—for your facilities, your data, and your people. And that need will increase as operations progressively return to normalcy.

In addition to providing a broad array of security products and services, WESCO has partnered with innovative and industry-leading manufacturers to help you meet the increasing demand for thermal-sensing technology and solutions.

Dahua

Dahua manufactures a wide variety of thermal hybrid cameras and network video recorders as part of their Human Body Temperature Monitoring solution. With their uncooled Vanadium Oxide (VOx) sensor technology and high thermal sensitivity, Dahua products deliver exceptional performance and high quality.

Flir

Flir's thermal products and solutions are highly regarded in the industry. Their thermal cameras have a long history of being used in public spaces as an effective tool to measure skin surface temperature and identify individuals with elevated skin temperature (EST). In addition, their Extech Non-Contact Forehead IR Thermometer offers nearly 8 times more accuracy than typical industrial non-contact thermometers.

Hikvision

With advanced detectors and algorithms, Hikvision's highly accurate temperature measurement thermal cameras can be used for temperature screening with accuracy up to .9°F. Their handheld and mounted Thermographic camera solutions offer bi-spectrum monitoring to provide both thermal and optical image channels apart from temperature measurement.

MOBOTIX

MOBOTIX offers a unique camera design that features two adjacent lenses, allowing for a thermal and optical overlay function to pinpoint the exact location of hotspots. Their intelligent video system boasts an integrated high-performance thermal image sensor to take full advantage of their camera design. Thermal radiation measurements made across the entire image area can be used to trigger an event (camera alarm, network message, etc.) based on the temperature increasing above or decreasing below an individually set trigger level.

Opgal

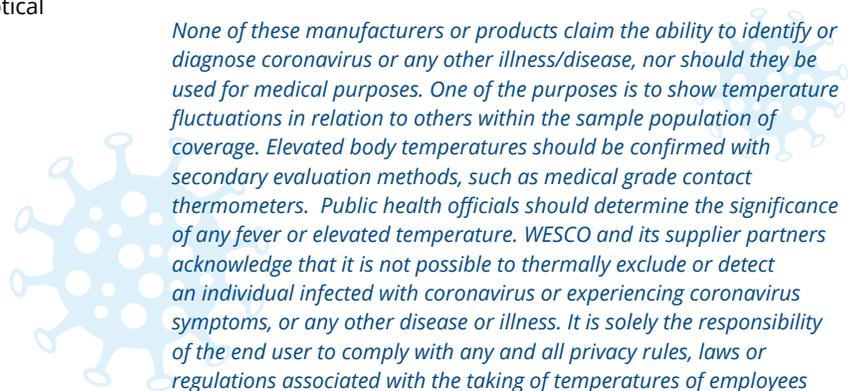
In 2003, Opgal was the first on the market to employ thermal imaging cameras to measure the skin temperature of airline passengers passing through airport checkpoints located within SARS-affected regions. Since then, their high-quality thermographic monitoring solutions have evolved to become a mainstay used across a variety of industrial and security applications.

DISCLAIMER

None of these manufacturers or products claim the ability to identify or diagnose coronavirus or any other illness/disease, nor should they be used for medical purposes. One of the purposes is to show temperature fluctuations in relation to others within the sample population of coverage. Elevated body temperatures should be confirmed with secondary evaluation methods, such as medical grade contact thermometers. Public health officials should determine the significance of any fever or elevated temperature. WESCO and its supplier partners acknowledge that it is not possible to thermally exclude or detect an individual infected with coronavirus or experiencing coronavirus symptoms, or any other disease or illness. It is solely the responsibility of the end user to comply with any and all privacy rules, laws or regulations associated with the taking of temperatures of employees and individuals.

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Case Study



Thermal Imaging and Security for a Major Utility

Situation

One of the largest utility companies in the U.S. serves more than two million people across three states. Their service is critical for a wide range of essential customers, such as hospitals, airports, government facilities, schools and college campuses, as well as commercial and residential facilities. Deemed a “critical infrastructure” company, disruption to their business and service would be catastrophic.

Solution

WESCO consulted with our customer and devised a strategic and comprehensive Ethernet connectivity solution that leveraged the latest technologies from Flir, Axis, HID, and Superior Essex. It also included a WESCO private label solution for access control cabling, and all of it was integrated into a Genetec Security Center.

With this new solution, WESCO helped our customer create a safer and more secure environment for all of its employees and facilities. This system created a specific process:

1. Employee enters screening area to present credential to HID card reader; IP-based Edge controllers start the process.
2. This initiates the audio message from the Axis M3037-PVE, which provides details on what is occurring and allows 2-way communications between security operations and the person being screened. Here, employees or visitors can be asked remotely to remove glasses, hats, scarves, etc. to ensure proper screening.
3. Temperature reading occurs and access may be granted. If elevated temperature is detected, security operator or appropriate personnel can contact the individual on next steps to minimize exposure potential.

Result

With this comprehensive WESCO solution, our major utility customer now has the ability to provide remote elevated temperature screening—at all of its facilities—without potential exposure of other employees, helping to ensure a safer work environment.



WESCO is here to help with WHAT you need, WHERE you need it, WHEN you need it and HOW you need it...just call your local WESCO branch representative or check out our branch locator on WESCO.com for the WESCO branch nearest you.