COVID-19 RESPONSE TECHNOLOGY

POWERFUL TECHNOLOGIES TO ADDRESS THE HEALTH AND SAFETY OF STAFF AND CUSTOMERS

As a global company, we are with each and every one of our customers in fighting the COVID-19 pandemic. Motorola Solutions proudly manufactures and deploys sophisticated, cutting-edge communications, software, video security and analytics technologies that are used in the moments that matter most. We are addressing the critical gaps in the availability of technologies needed as a response to the COVID-19 outbreak. We are pleased to apply these innovations to our video security and analytics solutions to deliver greater intelligence and stronger detection capabilities to help curb the spread of this virus outbreak.

CHALLENGE

The challenge still lies ahead on resuming a new form of normalcy in the weeks, months, and even years to come. Governments and global health officials alike are enacting strict protocols to mitigate the threat of another outbreak. As we look for new ways to revitalize the economy, while still keeping everyone healthy and safe, we are committed to assisting you into successfully navigating the many economic and health-related uncertainties ahead.

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SOLUTION

PREVENT: Preventing risk of contact. Leveraging AI analytics on video security cameras to limit occupancy rates, identify if people are wearing face masks and uphold social distancing guidelines.

OCCUPANCY COUNTING: This feature within ACC provides organizations with an easy and streamlined way to count and identify the number of people in a facility. This feature aims to remove the need to count people manually and the subsequent guesswork on occupancy by frontline employees and security operators, particularly where facilities have multiple entry and exit points. Occupancy Counting supports both social distancing and face mask guidelines by limiting the net occupancy rate of a facility and ensuring practices to comply with guidelines are manageable.

SOCIAL DISTANCING TOOL: To ensure that social distancing is upheld in public places and high-density areas, analytics within Motorola Solutions' Avigilon Control Center (ACC) video management software provides an added layer of safety. This feature monitors proximity between two or more individuals and detects violations when, and for how long, this distance falls under the recommended threshold of 6 feet or 2 meters, which may vary by country. Reports can be run to help businesses study traffic patterns and density, identify hotspots and understand peak periods when violations occur. You can then use this data to further protect staff and customers by taking corrective action to educate employees, modify facility layouts, and eliminate high density areas.

FACE MASK DETECTION: To help prevent community transmissions amongst employees and customers, this feature provides effective monitoring and enables proactive, real-time responses from your team. This advanced video-based detection technology is able to accurately
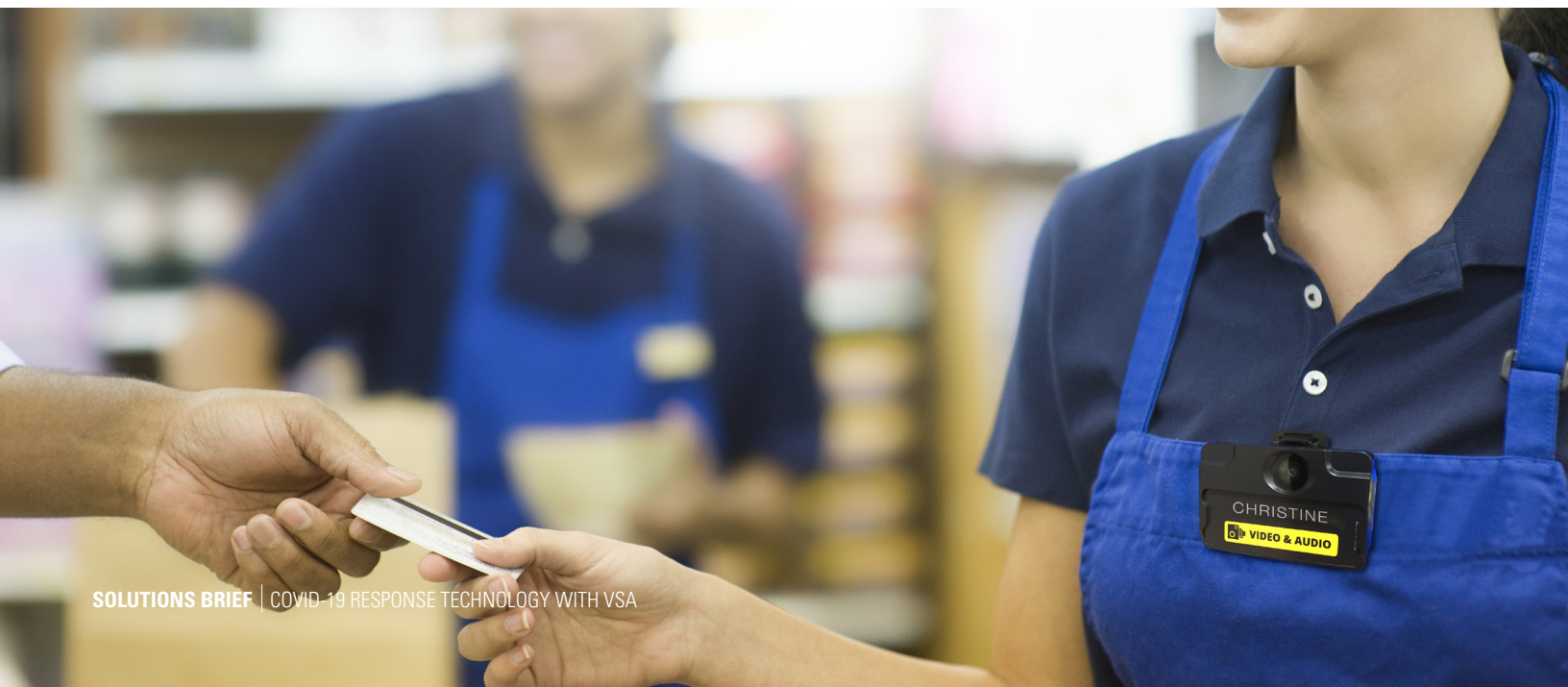
MOTOROLA SOLUTIONS STANDS READY TO SERVE OUR COUNTRY IN THIS **MOMENT THAT MATTERS.**

detect objects in the camera's field of view, classify them as humans and determine whether the subject is not wearing a mask. Immediate notifications coupled with detailed reporting helps you stay in compliance and take corrective action where necessary.

PROTECT: Using body-worn cameras on essential service workers to deter public aggression against front line workers and first responders, while capturing evidential footage.

BODY-WORN CAMERAS: During the COVID-19 pandemic, frontline workers have often been the subject of aggressive and violent behavior. The Motorola Solutions VT100 body-worn camera, a small, unobtrusive device specifically designed for commercial businesses, is intended to deter public aggression towards workers, while capturing evidential footage when necessary. In many situations, the social presence of a recording device alone may be effective in de-escalating otherwise aggressive or confrontational behaviors.

RESPOND: Responding to curb the spread. Contact tracing using access control solutions to identify where individuals who are infected have been and respond accordingly. Detecting elevated skin temperatures to identify possible additional screening needs at the workplace using security grade thermal cameras.

CONTACT TRACING: The Avigilon Access Control Manager (ACM) solution features the new Identity Correlation Report to aid in contact tracing efforts. Access control enriched with video security evidence can provide important insights, such as understanding where an infected individual has been, which doors they accessed and who else may have come in contact with those doors and that individual. Intelligent AI-powered search technology can further validate report findings with video evidence. Avigilon's Identity Search can confirm contact with doors that the person in question attempted to access. Avigilon Appearance Search™ technology can then expand your search to understand other areas of the facility where the person may have visited.

THERMAL CAMERAS: The H4 Thermal Elevated Temperature Detection solution encompasses a thermal camera paired with a blackbody device that provides a low friction, contactless alternative to traditional screening methods. The Avigilon H4 Thermal Elevated Temperature Detection camera is embedded with edge-based analytics to detect faces and notify operators of elevated skin temperature. The blackbody device is a uniform temperature source that acts as an absolute temperature reference point for the thermal camera. When the thermal camera classifies an individual's skin temperature as higher than that of the blackbody, the individual can be sidelined for further evaluation and additional screening. A secondary approved method can be used to confirm the presence of a fever.

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