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

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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.
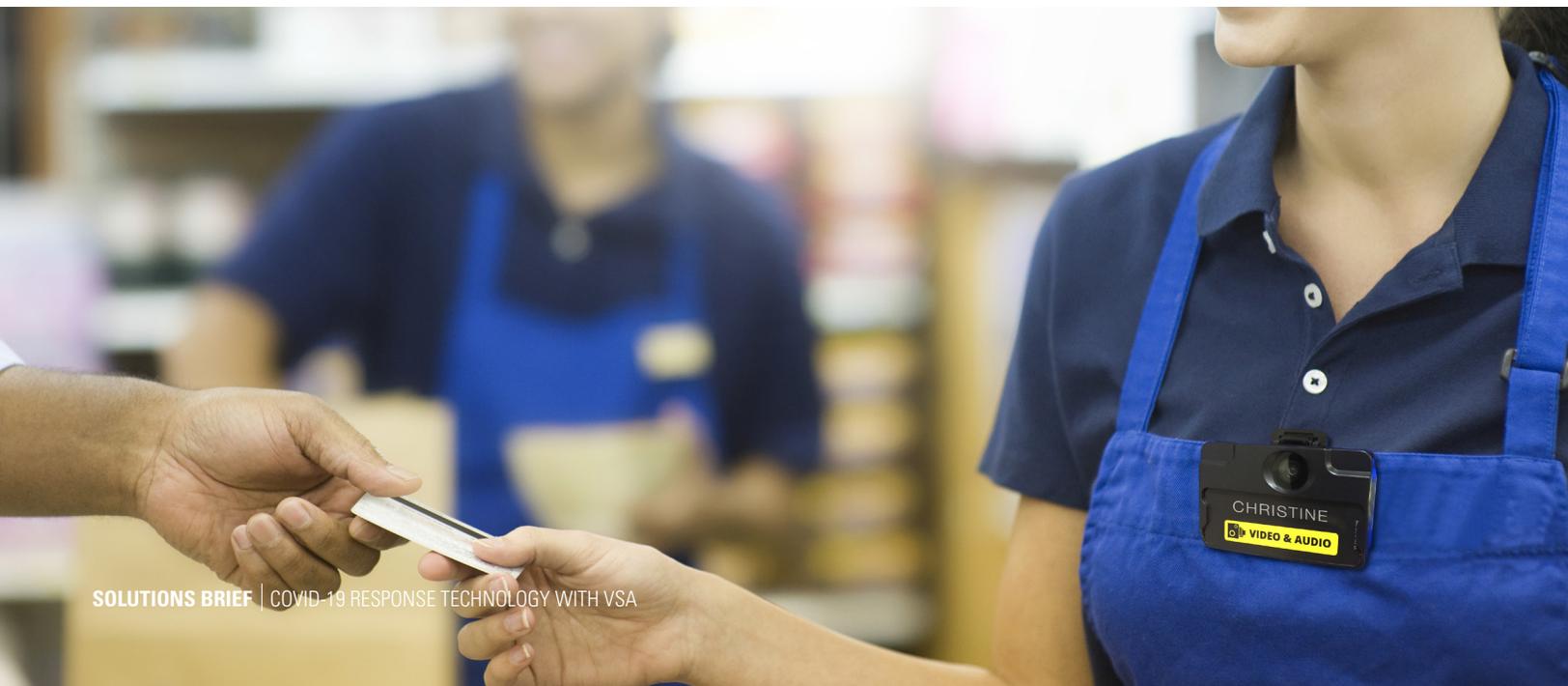
RESPOND: Responding to curb the spread. Contact tracing using access control solutions to identify where individuals who are infected have been and respond accordingly. An in-field registration app that is a secure, cloud-based environment to register patients and record status of health checks. A self-quarantine app that assists COVID-19 infected individuals to check-in while under quarantine. 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: High-throughput thermal screening at access points is a measure that workplaces could implement to complement medical-grade devices and professional opinion. This product is not a medical device or intended to be a substitute for a medical device. Motorola Solutions is actively testing the use of security-grade thermal cameras to detect a person's elevated skin temperature as an indicator that additional screening may be required. This product is not yet available, but we are currently investigating potential solutions.

FIELD REGISTRATION MOBILE APPLICATION: During a time of crisis, efficient communication between healthcare personnel is vital. The Field Registration mobile application enables first-responders with a correlated records technology to enter protected health information (PHI) of patients (from the COVID-19 testing site), into a secure mobile application. Patients' license plate, driver's license, image and PHI are captured and logged to increase the throughput of those exposed. By collecting such important data, a secure database is created, allowing for efficient communication and outreach for those who test positive.

SELF QUARANTINE APPLICATION: For individuals that have tested positive for COVID-19, it is critical that they remain under strict quarantine conditions, while still being able to stay in communication with healthcare personnel. The Self Quarantine mobile application helps to ensure that COVID-19 positive individuals are abiding by quarantine measures by logging their location and performing a set list of check-in requirements, such as moving their head back and forth to show presence and awareness. The application captures the individuals' GPS coordinates and timestamp of login, to verify whether the patient is at their designated quarantine location.

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