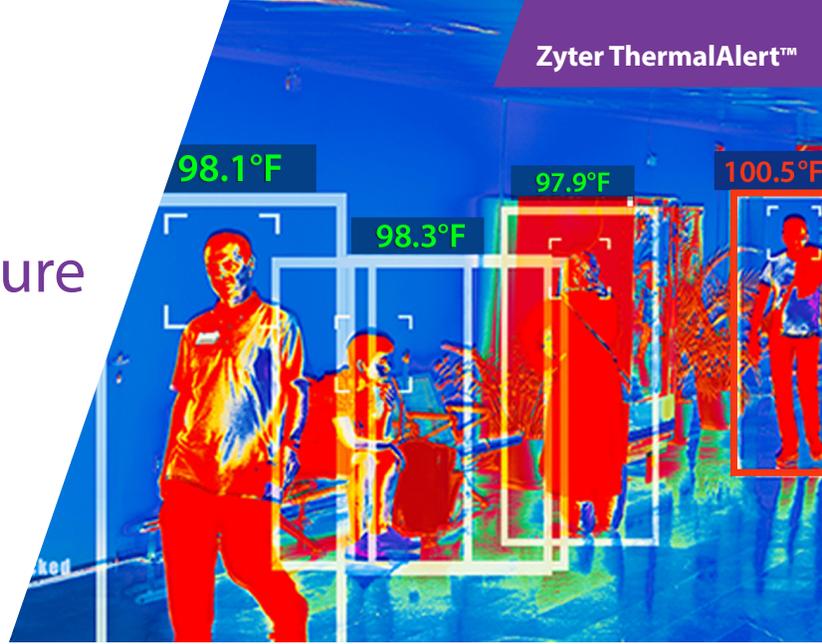




# Automated Mass Temperature Screening for COVID-19

Keep Your Workplace Open and Safe



## Proven. Secure. Compliant.

- Zyter ThermalAlert is currently deployed at retail, commercial healthcare, and transportation facilities nationwide, as well as events and entertainment sites
- The system is currently live at a Military Treatment Facility (MTF) and is being deployed to 16 additional U.S. military hospitals due to its superior performance
- Security is assured with device-to-device 256 bit AES encryption as standard
- The system has Authority to Operate (ATO) at U.S. Department of Defense and Department of Veterans Affairs (VA) facilities
- Defense Health Agency (DHA) approval has been secured for governmental cloud deployment enabling prescreening and virtual care for COVID-19
- The Zyter platform is HIPAA, FedRAMP, FISMA, GDPR, PHIPA, and PIPEDA compliant

*Zyter ThermalAlert is a dual spectrum thermal imaging solution that delivers continuous, real-time, no-contact temperature monitoring.*

As businesses and organizations transition to a new normal due to COVID-19, safety has become paramount. Where there are high concentrations of people – hospitals, office buildings, schools, shopping malls, airports and train stations, for example – new steps must be put in place like temperature monitoring to keep people safe. Identifying those with elevated body temperatures before they enter a building enables them to be redirected to a different entrance or removed from the general population.

Unfortunately, most available temperature monitoring solutions require manual intervention and are typically limited to one person being checked at a time. Not only does this create long lines and delays, the close contact that occurs during human-to-human temperature screening increases the risk of exposure for both parties. What's more, many thermal imaging solutions take time to implement or integrate into existing networks, causing further delay and frustration.

Fortunately, there's Zyter ThermalAlert – a smart imaging system that supports automated, accurate mass temperature screening. Setup options include stand-alone, central or drive-through detection modes and include the ability to connect to an existing network. Best of all, Zyter ThermalAlert can be up and running as a stand-alone solution in just 48 hours.



## Identify Individuals with Fevers Prior to Building Entry

Zyter ThermalAlert is a dual spectrum thermal imaging solution that delivers continuous, real-time, no-contact temperature monitoring. It is able to measure human body temperature (between 86°F to 113°F) of up to six people simultaneously within the temperature detection zone from a distance of up to 20 feet. This far surpasses other available solutions which typically can only detect human temperatures from a distance of 1-6 feet.



## Case Study: CarePoint Health

### Client

A New Jersey-based healthcare provider operating three facilities: Bayonne Medical Center, Christ Hospital in Jersey City, and Hoboken University Medical Center.

### Approach

Deploy 12 Zyter ThermalAlert imaging cameras in a stand-alone configuration, divided equally among the three facilities.

### Results

Zyter ThermalAlert has created a safer environment for employees and visitors, enabling the hospitals to resume scheduling elective surgeries.

*"Temperature scanning systems provide fast and reliable results on easy-to-read digital screens and allow us to triage every visitor and employee who enters our facilities, creating another layer of safety for our patients and staff."*

**Vijay Singh**

Chief Hospital Executive,  
Bayonne Medical Center

If a high temperature is detected, SMS, email and/or single/multi-camera smart alerts are sent to individuals and care teams via monitors, mobile devices or the Internet. With a detection time of less than one second and accuracy of  $\leq \pm 0.5^{\circ}\text{F}$ , it's now possible to identify individuals with a fever before they enter your facility so you can keep your workplace open while protecting both employees and visitors.

## Flexible Deployment Options

Zyter ThermalAlert can be deployed as a stand-alone system or upgraded for enterprise-wide or multi-site integration as an IoT platform with secure messaging and secure collaboration. Common deployments include:

- Primary access monitoring to manage the flow of people at the primary entrance door of a facility (typical order is two units per main door)
- Secondary access monitoring to monitor the flow within a facility (4-8 units to monitor single, low volume entryways or with a single control room monitoring all cameras)
- Drive-through clinics and tents using four cameras; images can be managed on a single iPad or tablet

## Advanced Thermal Camera

Zyter could not source a suitable, rugged, high performance camera so we developed our own. ThermalAlert includes a high-resolution (1920 x 1080 pixels) thermal camera and visual light. Our proprietary camera calibration software ensures accuracy and helps identify people at higher risk for infection based on a configurable range of temperature readings. Cameras can be integrated with Zyter's AI and automation-based platform if desired.



## Customizable Dashboard for Real-Time Monitoring

Zyter ThermalAlert includes a customizable dashboard that displays optical and thermal images, as well as body temperatures. From the dashboard, users can monitor images and send alerts to care teams. In addition, an infection control module can be applied to identified cases for additional analysis and reporting.



## For More Information

To learn more about Zyter's ThermalAlert solution or to arrange a product demonstration, please contact +1 (301) 355 7760, [sales@zyter.com](mailto:sales@zyter.com) or visit [www.zyter.com](http://www.zyter.com).

## About Zyter

Zyter delivers a wide range of digital health products for providers, payers and patients that span telehealth, home health, remote patient monitoring, care management, as well as the insurance claims lifecycle. Zyter's products improve clinical operations and patient outcomes while reducing healthcare costs by enhancing interoperability, communication and collaboration. The company's cloud-based, 5G-ready platform also supports IoT/smart technology and thermal imaging solutions. In 2020, the company won more than 50 awards for its products including Best Health Care and Medical Innovation as well as Company Innovation of the Year. Founded in 2017, the privately-held company is based in Rockville, Md. For more information, please visit [www.zyter.com](http://www.zyter.com).

# Zyter Virtual Rounding™ for Physicians

Making Daily Rounds More Efficient  
and Safer for Everyone



## The Zyter Difference: EHR Integration and Context-Aware Video Chat

More than simply a video chat solution for virtual physician visits, Zyter Virtual Rounding can be integrated with the hospital's electronic health record (EHR) system to enable context-aware video chat. During a virtual visit to the patient's room, physicians and all members of the care team can instantly access the patient's health history, recent diagnosis, test results, medication list, vital sign data, physician's notes, and more during a Zyter secure video chat. As a result, Zyter Virtual Rounding helps to:

- Eliminate manual EHR requests and make virtual visits more time-efficient
- Enable medical students to actively participate in rounding and continue learning
- Provide real-time patient data to make a prompt, informed diagnosis and care plan
- Improve patient safety by having an immediate view of the patient's history
- Enhance collaboration among the entire care team
- Ensure a more personal connection between physician and patient

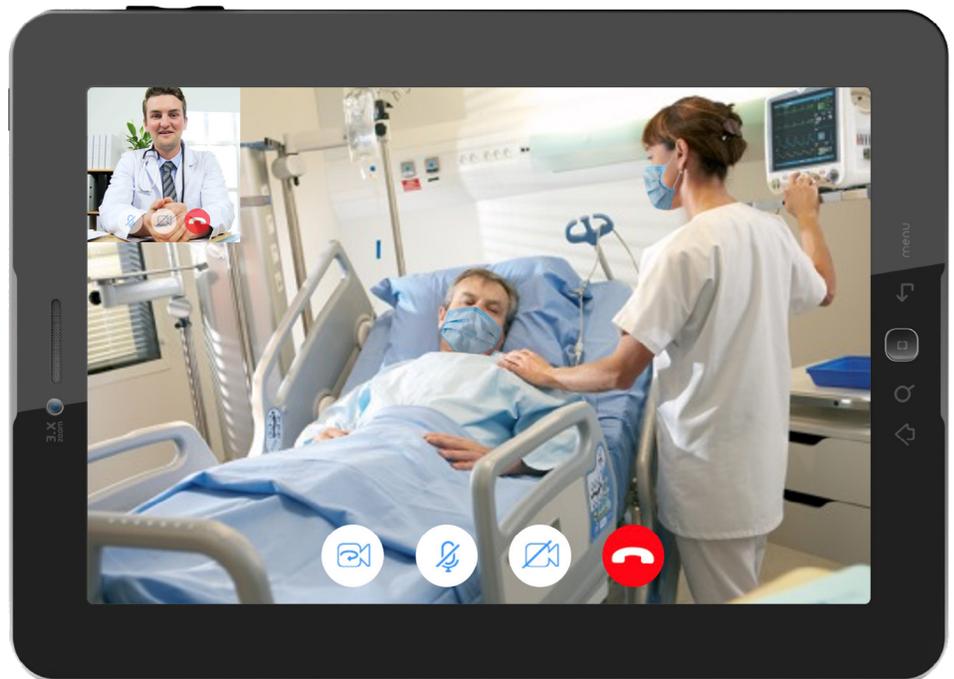
Physician rounding is at the heart of the hospital experience. The personal, face-to-face interaction between physicians and patients is vital to high quality care, as is the active collaboration of an extended care team, including specialists, nurses, residents, and medical students. However, the emergence of the COVID-19 pandemic has changed and depersonalized that experience for both providers and patients. Residents and medical students miss out on real-world training when excluded from physician rounds – while critically ill patients and their families face the personal anguish of not being allowed to visit in the hospital room.

Zyter is pioneering a new modality of hospital patient care with Zyter Virtual Rounding™, a cloud-based, secure video chat solution built upon Zyter's digital health platform used by hospital physicians, care teams, and even patients' family members. Designed to make physician rounds more efficient and safer for everyone involved, Zyter Virtual Rounding is at the forefront of digital healthcare solutions for the COVID-19 pandemic today – and ready for future telehealth platform integration as in-home virtual visits, remote patient medical device monitoring, and virtual critical care wards become the new normal of healthcare.

### How It Works: Anywhere, Anytime Accessibility

Zyter's cloud-based, easy-to-use virtual rounding solution can be securely accessed through Internet browser software on any iOS or Android digital tablet or mobile device with a cellular or Wi-Fi connection. Physicians have the flexibility to conduct virtual rounding in two ways – physically in the patient's room with the care team virtually in attendance, or remotely from the office or another location.

- **Virtual Rounding On-Site at the Hospital** – The physician takes a digital device with Zyter Virtual Rounding to the patient's room. Once there, the physician sends a notification to join the virtual visit to the nurses, residents, students, family members, and others who are using the Zyter solution on their devices in different physical locations. Throughout the virtual visit, the physician and patient can interact with the care team in a personal way just as if they were right there in the room.



- **Virtual Rounding from the Office** – In this completely remote scenario, a hospital clinician puts a tablet with the Zyter solution on a stand near the patient’s bedside for the patient to operate. From his or her office, the physician initiates a virtual visit on Zyter Virtual Rounding by clicking on a patient’s hospital room number. The patient, the care team, and the patient’s family members all receive notification of the virtual visit so they can connect and participate. The Zyter virtual visit link can be emailed or sent as an SMS mobile message.

### Features for Physicians, Care Team, and Family

Zyter Virtual Rounding creates a flexible, holistic virtual visit experience for both physicians and patients, and everyone involved the patient’s care. Differentiated by Zyter’s interoperability features of EHR integration and context-aware video chats, Zyter’s virtual rounding solution is made even more robust and comprehensive with the following key features:

- **Standardized Encounters** – Enables remote providers to quickly enter and depart any patient room virtually, anytime, with no action needed by the patient. A smart scheduling feature enables residents and students to join the virtual rounding before it starts.
- **Virtual Learning Experience** – Residents and medical students can continue to engage with patients as they gain real-world experience and knowledge working with physicians on virtual rounds.
- **Secure Virtual Connectivity** – Backed by 256 AES encryption and HIPAA compliant security measures, Zyter Virtual Rounding enables care teams and patients to connect and discuss health issues virtually without privacy issues. Physicians can invite multiple care team personnel and family members to a secure video chat using a smart invitation link via SMS.

## The Benefits: Reduce PPE Costs While Improving Patient Safety

Virtual patient visits with Zyter Virtual Rounding enables hospitals to reduce the significant cost of personal protective equipment (PPE) required for care of COVID-19 patients. Only the physician in the patient's room requires PPE, instead of six to eight additional clinical staff members and/or residents. Zyter Virtual Rounding also provides these key benefits:

- **Improve clinical workflow** – Zyter's user-friendly platform supports secure connectivity, collaboration, and real-time context-aware data sharing that can scale up to groups of any size. Physicians, care teams, and medical students can all save time as they virtually collaborate to provide care more efficiently.
- **Enhanced physician/patient communication** – Quick virtual access to patients via video conferencing enables physicians to easily follow up after rounding to improve patient satisfaction, enhance communication, and strengthen the physician/patient connection.
- **Enhanced safety for patients, care team, and family** – Patients with COVID-19 and other high-risk patients can remain isolated and safe while still receiving the benefit of daily physician rounding. In addition, residents and medical students can reduce their risk of contracting COVID-19 while still getting real-world experience and training. Zyter video chat also lets families visit and comfort their critically ill loved ones virtually when they cannot be there in person because of COVID-19.

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*Designed to make physician rounds more efficient and safer for everyone involved, Zyter Virtual Rounding is at the forefront of digital healthcare solutions for the COVID-19 pandemic today*

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# Helping Manufacturers Stay Open and Stay Safe



## Deployed at Dozens of Distribution Centers

A large manufacturing retailer has deployed Zyter ThermalAlert at dozens of its distribution centers and its corporate office locations throughout the United States. A thermal camera is mounted in an unobtrusive location and positioned to focus on the main employee entrances at each location and performs mass temperature scanning on more than 200 employees entering and leaving per shift. The military-grade camera runs 24/7 to accommodate continuous temperature monitoring across the distribution center's two daily shifts. The distribution centers have all remained open since ThermalAlert was installed.



The COVID-19 pandemic has dramatically disrupted business as usual and especially those in the manufacturing industry. Manual temperature checking is helpful, but it is slow, creates long lines and puts people at risk.

Zyter has a better way.

## Build a Four-Layered Defense Against COVID-19 Spread

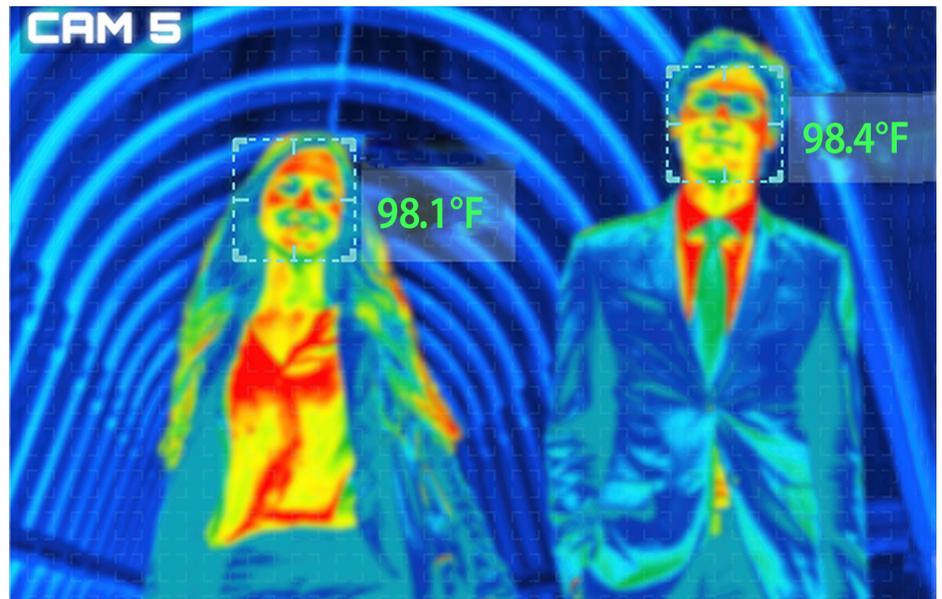
Zyter COVID-19 Suite™ consists of four integrated digital screening, thermal imaging, contact tracing and monitoring tools to help organizations keep personnel safe from spreading the COVID-19 virus in their work environment. Also available as stand-alone solutions, each component can be deployed quickly outside and inside factories, manufacturing facilities, warehouses and distribution centers, or anywhere large groups of people are in close proximity.

- **Zyter Daily Health Pass™** – Zyter Daily Pass is digital health self-assessment survey in which persons respond to questions about any possible exposure to COVID-19. Individuals can download the Zyter Daily Pass mobile app to their phone, answer the questions, and scan the survey barcode at a digital kiosk at the building entrance. Alternatively, they can complete and submit the survey on the kiosk's touchscreen. Those persons who answer "yes" to any questions receive a red pass denying them entrance and can be redirected for additional screening.

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***Zyter COVID-19 Suite™ consists of four integrated digital screening, thermal imaging, contact tracing and monitoring tools to help organizations keep personnel safe from spreading the COVID-19 virus in their work environment.***

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- **Zyter ThermalAlert™** – Zyter ThermalAlert is a dual-spectrum, thermal imaging solution that delivers continuous, real-time, non-contact temperature monitoring. It is able to measure the body temperature (between 86 – 113 degrees Fahrenheit) of up to six people simultaneously within the temperature detection zone from a distance of up to 20 feet, much farther than the 1-6 feet industry average. With a detection time of less than one second and accuracy of  $\leq \pm 0.5$  degrees Fahrenheit, the Zyter thermal camera sends smart alerts instantly to monitors at the entrance. If one or more persons are identified by the system as having an elevated body temperature, they can be redirected by security personnel or an administrator for additional screening.
- Zyter also offers **Digital Contact Tracing** using wireless wristbands worn by employees to track and record real-time data on their proximity to each other on a daily basis, as well as an **Enterprise Portal** that provides a comprehensive view of alerts and other data from the Zyter COVID-19 Suite of solutions.



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