



Zest Care Homes utilising Hikvision thermal imaging technology from Care Protect for contact-free detection of elevated skin temperatures

Care homes in Birmingham and Omagh rapidly screen staff and visitors on entry and exit to care facilities, thanks to systems deployed by Care Protect

Care homes in Birmingham and Northern Ireland are implementing innovative thermal imaging-based contact-free temperature screening solutions for staff and visitors to their facilities. The homes, Bramley Court in Birmingham and Three Rivers in Omagh, both run by Zest Care Homes, are using cutting-edge systems from Hikvision, delivered by technology-focused care delivery specialists Care Protect.



The temperature screening systems provide automatic alerts when anyone who passes the camera set-up has an elevated surface skin temperature outside of set parameters, allowing them to be clinically measured and assessed in an appropriate environment. No individual who is identified as having a skin surface temperature in excess of the configured maximum is permitted to enter the care homes.

Technology innovation

Care Protect is a unique company which promotes excellent, sustainable and consistent care delivery in health and social care settings. The company integrates technology into the very heart of its care provision services, utilising the latest video monitoring technology from Hikvision, alongside secure cloud-based video storage services from Videoloft, with a team of health and social care professionals reviewing and assessing around the clock.



CASE STUDY

HIKVISION

Care Protect's 24/7 monitoring services are utilised by all of the Zest Care Homes facilities. These homes provide the highest standards of nursing and dementia care in warm and homely environments.



Bramley Court is a modern, purpose-built care home situated in the residential area of Yardley Wood, Birmingham. With a maximum of 76 service users, and guided by highly experienced manager Ann Willey, Bramley Court caters for residents from a diverse range of cultures and backgrounds.

Three Rivers is another purpose-built care home, this time sited in Omagh, Northern Ireland, and catering to up to 73 residents. Care Protect's qualified, independent monitors can view video from 140 cameras at Bramley Court and around 160 cameras at Three Rivers, allowing them to assist and advise those with responsibility for safeguarding and quality and clinical governance. Those cameras send their video streams to Hikvision recorders, and that video in turn is sent to Videoloft's cloud hosting platform.

Video can be accessed via the Videoloft app and website, and Videoloft software constantly monitors the bandwidth conditions on each site. If necessary, the software will dynamically adjust the video bit rate to ensure recorded events are sent to the cloud even in poor network conditions.

Rapid reassurance

Care Protect's IT & Systems Director, Andy Johnson, says the Hikvision temperature screening thermal solution was identified as a further means of providing reassurance and confidence for residents, staff and visitors at the two care homes, allowing for rapid, simple, contact-free screening.

"The first system was installed at Bramley Court in Birmingham," he explains. "This is comprised of a turret-style camera, which uses both a thermal imaging sensor and lens alongside a conventional video sensor and lens, connected to an all-in-one PC. running Hikvision's iVMS software.



"The camera is configured to detect anyone with skin temperature above the pre-configured range and is accurate to within half a degree centigrade. The camera features AI detection to reduce false alarms caused by other heat sources.

"Standard keypad entry has been disabled and now all staff and visitors are required to pass the thermal temperature screening camera before entering a visitors bathroom to wash hands and



don personal protective equipment before they are given permission to enter the residential areas.

“The system takes a temperature measurement in less than a second, and that temperature is displayed on the monitor of the wall-mounted PC, with no need for any physical contact at any point. The way this system is set up at the entrance to the facility, staff and visitors can also check their temperature on departure to see if they require further off-site measurement and assistance.”



The Hikvision temperature screening system is also available in a handheld, mobile thermal camera version, suitable for use in a wide variety of applications including care homes.

Bramley Court manager Ann Willey has been very happy with the performance of the Hikvision temperature screening thermal system, and her enthusiastic endorsement convinced Zest to install a similar system at the Omagh facility as well. Zest Care Homes is also considering implementing temperature screening solutions at its two other residential care facilities.