



## Thermographic Cameras for Contactless Temperature Screening

Many health care providers, senior living communities, student housing properties and hoteliers are considering permanent emplacements of thermographic cameras to screen residents, guests, and visitors at property entrances, in order to replace “one-by-one” forehead temperature screenings. Below are some key BBH thermographic camera information points for your consideration/investigation:

- BBH is a very large national Hikvision distributor. Hikvision introduced their line of thermographic cameras in the USA in April, 2020.
- The purpose: identify individuals showing higher than average temperature relative to the general population. The cameras use facial recognition technology to “find” each person’s forehead as they walk through the camera field of vision and get a temp reading with +/- 1 degree F accuracy in 1 second.
- **HIKVISION IS CAREFUL TO SAY:** This is only a SCREENING tool. These cameras are not FDA approved to diagnose, prevent or cure disease. People that register a high temperature reading must be manually checked with a secondary method that is FDA-approved.
- Hikvision vs. competition: High efficiency (one second needed to detect skin surface temp), Safe (non-contact measurement), and don’t require “black body calibration tool” in scanning area (these cost around \$5,000 and most others do require such a tool).
- Three versions of cameras: Turret mounted version, Bullet mounted version (5-10 ft. range), and Handheld.
- Each mounted camera (turret and bullet versions) has two lenses – one is thermal (shows contrasts in heat) and the other is a 4MP HD lens with the same overlay of scanning area and live temp reading. Because these versions use face recognition to automatically find the forehead of all as they walk through range, they automatically ignore non-forehead hot areas such as a person carrying a hot cup of coffee. The cameras can handle a volume of up to 30 faces in range at once, but realistically there are only a maximum of 4-5 people in the frame at once.
- Each camera has embedded alarms – you can choose audio alert “Abnormal Temperature Detected” or white light alert (turn on or strobe.)
- The cameras are compatible with Hikvision iSeries CCTV storage NVRs with a firmware upgrade – 2 video streams, but no NVR is needed if you only want live + SD-card storage, (space stores about a day of footage.) The cameras are also compatible with any PC with free Hikvision iVMS-4200 software.
- With the handheld, you can connect via WiFi to HikThermal iPhone app or iVMS-4200 on a PC. The handheld can only do one person at a time—you have to point the crosshairs at their forehead.
- **IMPORTANT ENVIRONMENTAL FACTORS FOR PLACEMENT:** These cameras are for Indoor use only. They need a windless environment with a stable ambient temperature, so no exterior entrances and no direct sunlight (in most facilities, this means you can’t just mount the camera and point it at the main vestibule entrance if there isn’t a second set of doors.) Hospitals and other health care facilities (the main users so far) have typically arranged for at least one 90-degree right or left turn from the entrance to take wind/sun out of the picture.



INTERESTED? Please call Jason Castillo at 1-330-506-6766.