Thermal Temperature Sensor

Once instructions are followed camera will check temperature and trigger raspberry pi to display red or green LED

LCD Screen displays instructions based on where the person is located or if they have an obstruction on their forehead

LCD Screen displays message to get checked again by a different form of temperature taking

Yellow Light: Person is not in the correct spot for an accurate reading, or another warning has occurred

Red Light: indicates a high temperature reading

Green Light: Person’s temperature is within normal range and is free to leave

Gives directions on LCD screen and correspond to LED lights

Person walks under the camera and triggers Raspberry Pi.

Embedded Raspberry Pi

Infrared IR Camera

Time Flight Sensor

LCD Display

LED Lights

Main Components combined into a single compartment