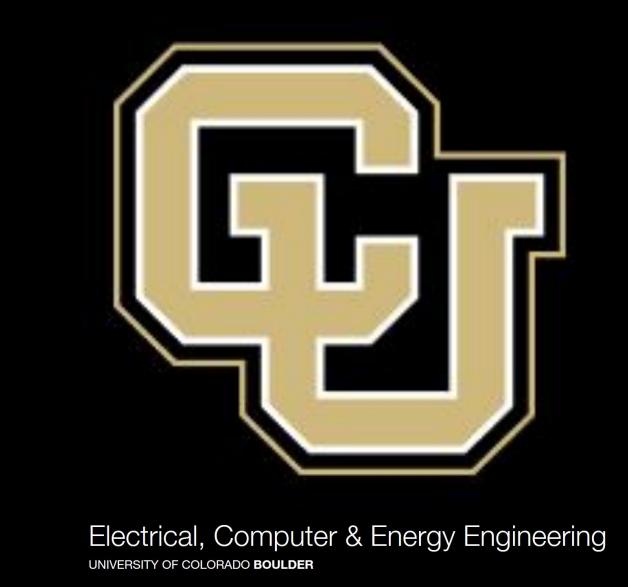
# Captain Majid: The Emergency Aid Robot

## Cipher

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#### Description

Captain Majid is a Robot that transmits a live audiovisual feed of its environment to the user's computer, and sounds an alarm if a human was thermally detected.

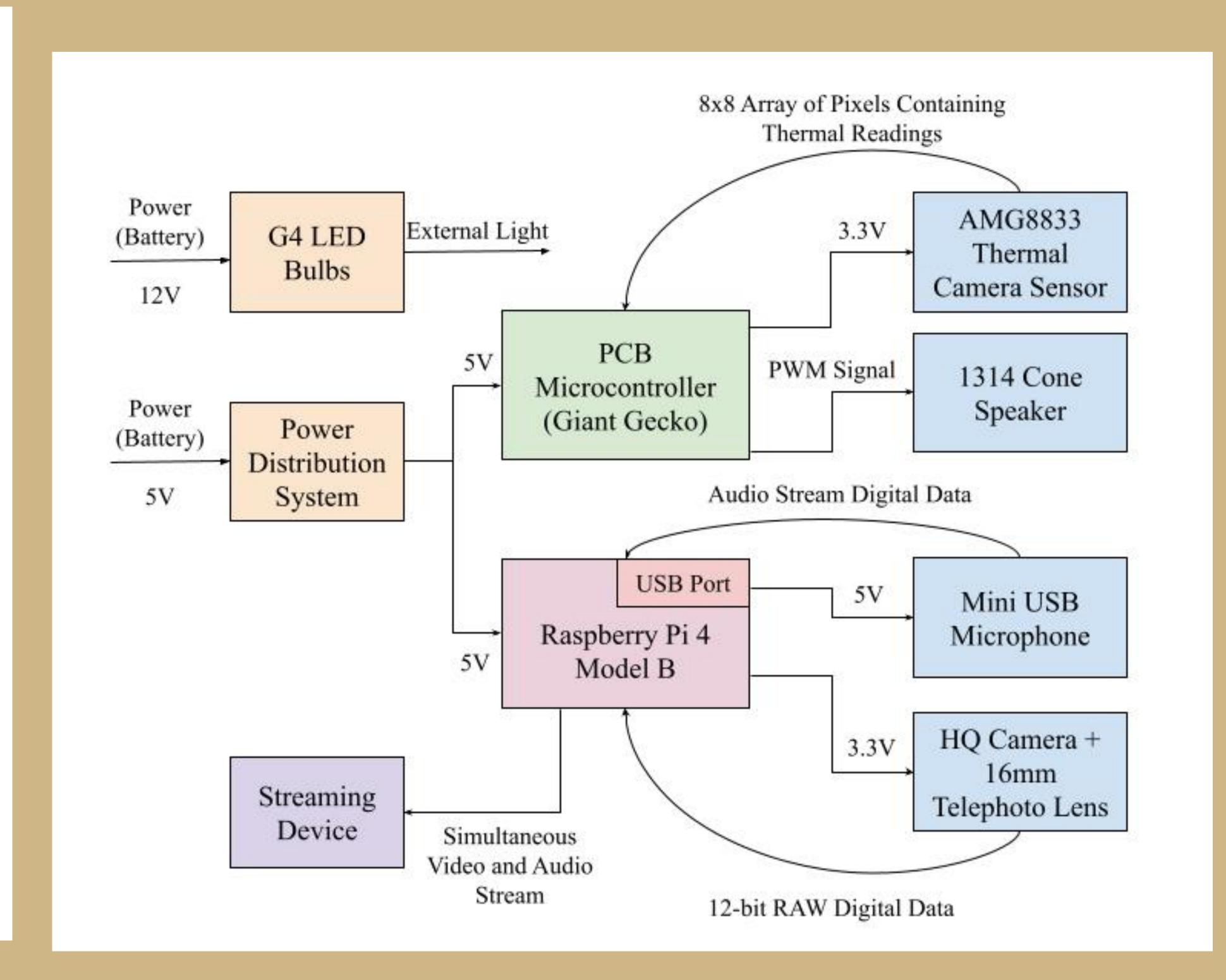
#### Purpose

Captain Majid is designed to supplement disaster relief teams in their efforts to locate potential survivors post natural or artificial disaster. Instead of depleting all man power on the search, Captain Majid surveys disaster ridden areas for any signs of human activity, allowing disaster relief teams to focus their resources on the rescuing aspect.

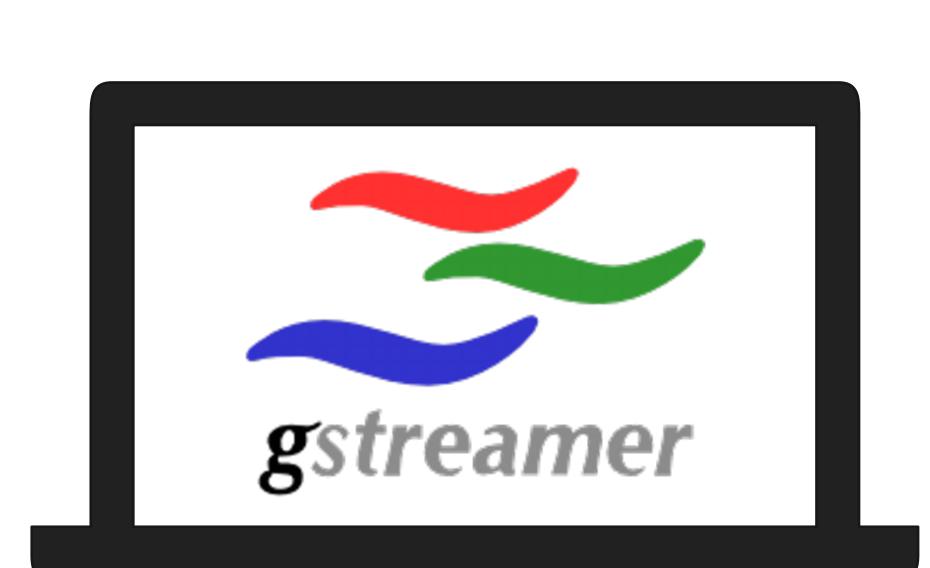
#### **Key Features**

- Transmits close-to-real-time Video and Audio Feed with a 0.1s latency directly to the user's desired streaming device via local Wi-Fi
- Connectivity remains intact for 30 meters
- Detects human activity via the embedded thermal camera with an accuracy of +/- 2.5 degrees celsius
- Sounds the alarm in the event that the thermal camera detects human body temperature
- Moves at a minimum speed of 3 m/s in any given direction.

### System Diagram



#### Note



The streaming device must use the GStreamer application.