# Overview

# Specification

## Face Detection

Open CV HAAR detection, as the door will typically be in the same place, so lighting conditions shouldn’t change much, and is more accurate. The computational power required

# Implementation

# Difficulties

# Conclusion

# References

<https://www.youtube.com/watch?v=Q8QlNuTUe4M>

<https://realpython.com/face-detection-in-python-using-a-webcam/>

<https://docs.opencv.org/3.4.3/d7/d8b/tutorial_py_face_detection.html>

<https://www.arduino.cc/en/Tutorial/AnalogInputPins>