

SAATHI GUARDIAN

Prototype circuit diagram - Arduino UNO Q safety and memory-assistance hub

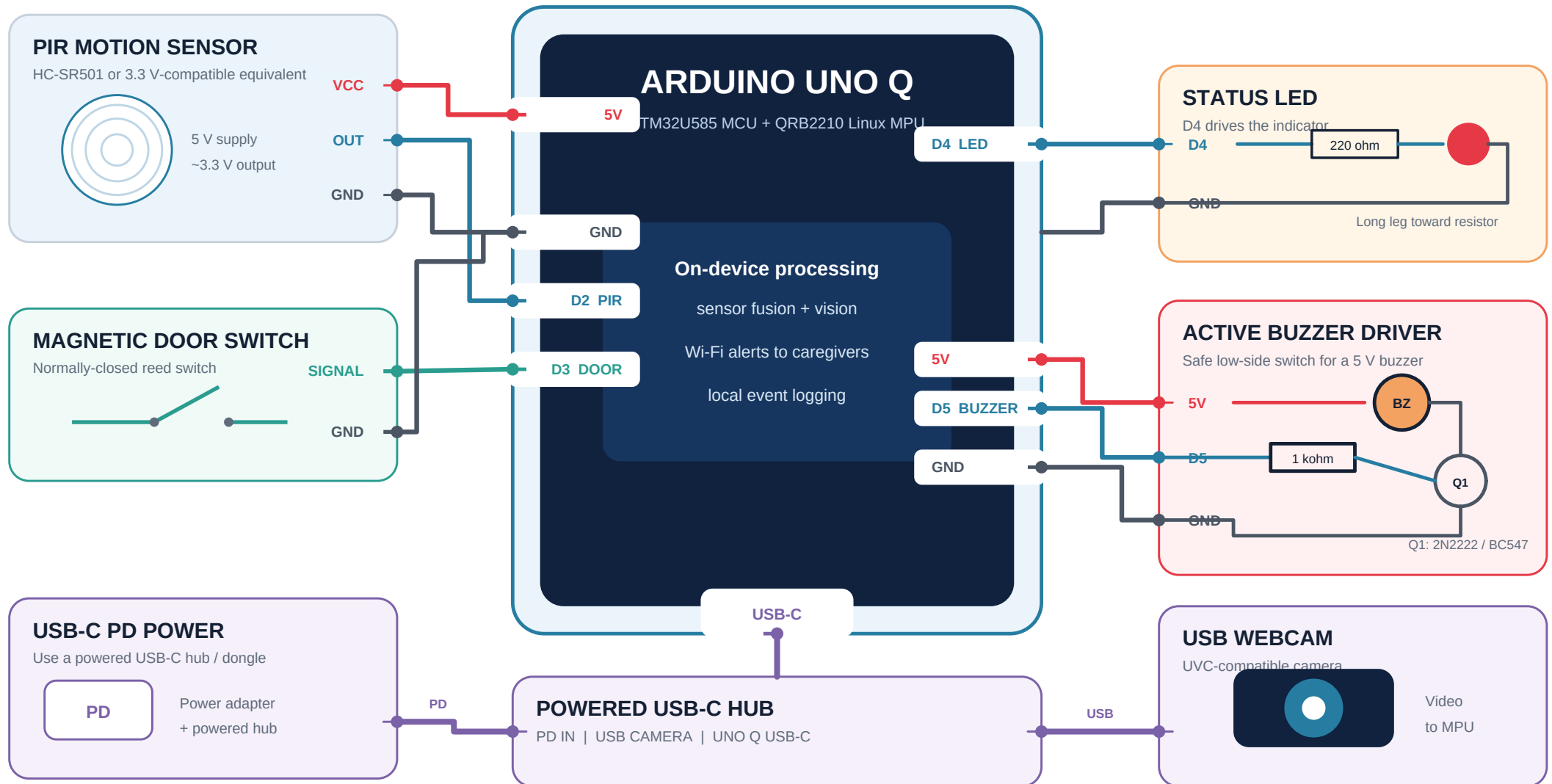
5 V power

Ground

GPIO signal

USB / PD

IMPORTANT: UNO Q D2-D5 are 3.3 V logic. Never feed 5 V into a GPIO pin. All modules must share GND.



Pin map implemented by mcu/sensors_sketch/sensors_sketch.ino
D2 PIR | D3 door (INPUT_PULLUP) | D4 status LED | D5 buzzer

Reference prototype wiring - verify the printed pin order on your exact modules.
Arduino UNO Q digital I/O domain: 3.3 V