# Capabilities of the DaNI base kit

Capabilities:

* The DaNi base kit can use two DC motors to move around a terrain
* The ultrasonic sensor allows the DaNI to locate objects that are up to 3 meters for the sensor
* The servo mounted on the front allows the DaNI to see around 180 degrees
* The processor on the DaNI is capable of processing information gathered from the servos and make decisions as to where to move

Gaps:

* The DaNI can only see 180 degrees but may need to see 360 degrees
* The DaNI will not be able to locate the black box using the ultrasonic sensor
* The sensor cannot detect object more than 20 degrees away from horizontal
* There is no method for locating acoustic or optical beacons
* There is no way for the DaNI to communicate wirelessly