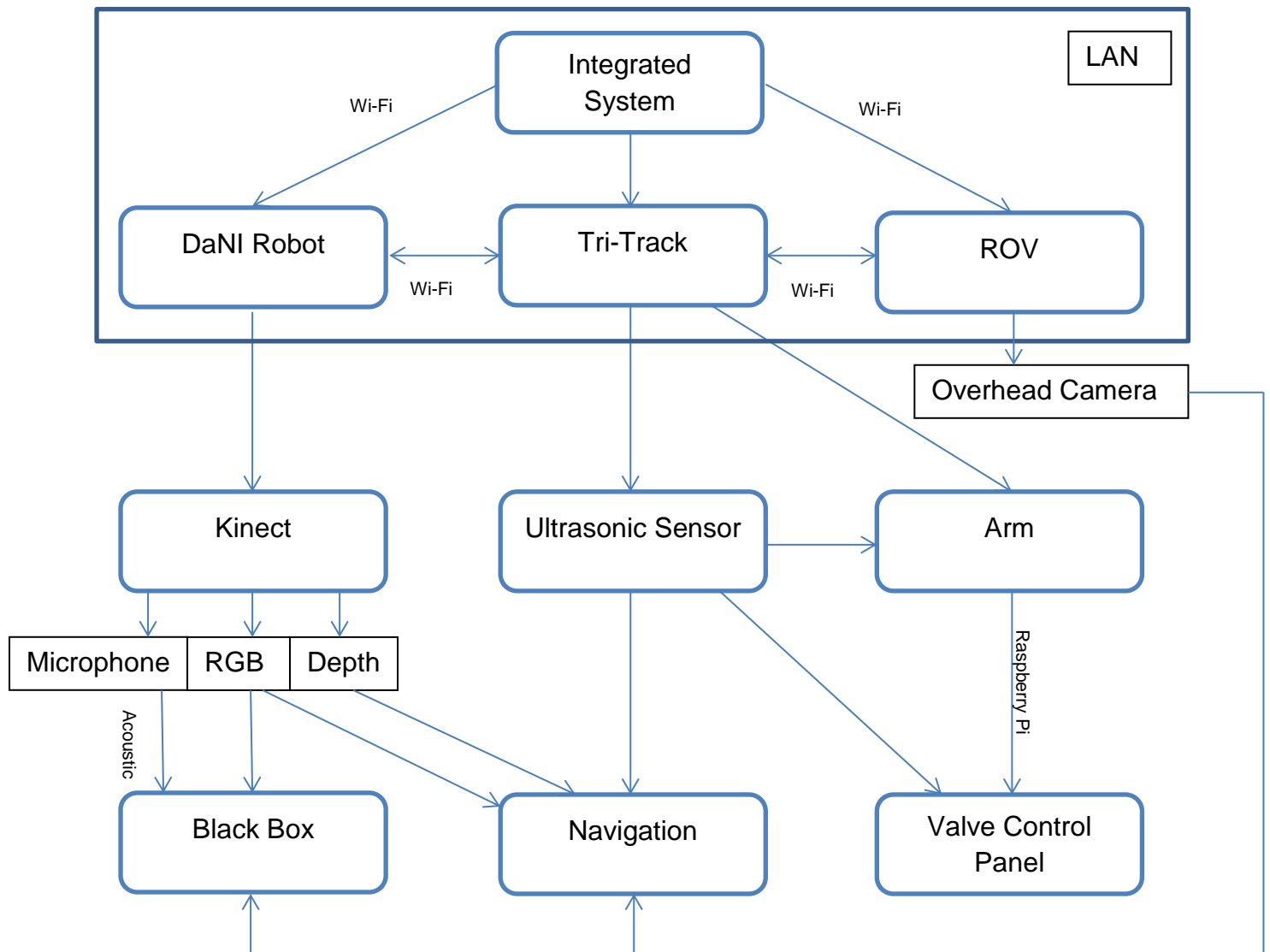


Solution Document/System Diagram



- The DaNI will be used as the navigation robot to traverse through the canyon.
- Then locate the black box using the Kinect camera
- The overhead camera and Kinect camera maps the area and finds the valve control
- The tri-track follows the path the DaNI took and uses the arm programmed by a Raspberry Pi to manipulate the valve control panel