# FRC 2016 LabVIEW Robot Simulation

For instructions on how to use simulation see **Tutorial 10 - Robot Simulation** on the Tutorials tab of the LabVIEW Getting Started Window.

### Actuators on this simulated robot

1. Left Front Motor
   * PWM Channel = PWM 0
2. Right Front Motor
   * PWM Channel = PWM 1
3. Left Rear Motor
   * PWM Channel = PWM 2
4. Right Rear Motor
   * PWM Channel = PWM 3
5. Camera Servo
   * PWM Channel = PWM 5
   * Angular Range = 170
6. Arm Servo
   * PWM Channel = PWM 6
   * Angular Range = 170
7. Gripper Servo
   * PWM Channel = PWM 7
   * Angular Range = 170

### Sensors on this simulated robot

1. Encoder on Right Motor
   * A Channel = DIO 3
   * B Channel = DIO 4
2. Encoder on Left Motor
   * A Channel = DIO 5
   * B Channel = DIO 6
3. Gyro
   * Analog Channel = AI 1
4. Ultrasonic
   * Ping DIO Channel = DIO 1
   * Echo DIO Channel = DIO 2
5. AXIS M1011 Camera