

Torque Vectoring

List of needed sensor inputs for functioning

Description	Unit	Range
Steering angle	degrees	-180° - 180°
Vehicle longitudinal velocity	m/s	
Vehicle yaw rate	rad/s	
Vehicle lateral velocity	m/s	

Traction control (old PID system)

Description	Unit	Range
Wheel velocity (for each)*	rad/s	
Vehicle longitudinal velocity	m/s	
Pedal pressure*		0-1
Brake pressure*		0-1

Nice to have:

Not for Torque Vectoring, but for Traction Control. We would need a clean way to distinguish the wheel speed of rotation from the actual vehicle velocity, which allows for the calculation of the wheel slip.

*not obtained from IMU