



GEARS (General Engineering and ROV Specialists) SID - ROV

A top-level diagram of all electronic systems used by our ROV.

Fuse Calculations	
Raspberry Pi	1.3 A
Navigator	0.2 A
Camera	0.2 A
Camera Servo	0.7 A
Temperature Sensor	0.002 A
Thrusters w/ ESCs	$12.5\text{ A} \times 6 = 75\text{ A}$
Gripper Motor w/ESC	12.5 A
Total	89.9 A
150% Factor	135 A
Max Fuse	25 A

