

**Military-Grade Full Motion Simulator, in 2 DOF or 3 DOF
For SimRacing :: For FlightSim**

Motion Specification

Degrees of Freedom: Roll, Pitch, & Yaw

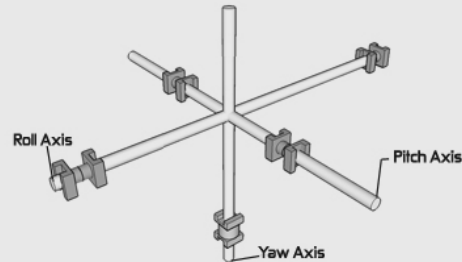
Axis Alignment: Mutually Perpendicular

Axis Synchronization: Simultaneous

**Position Resolution: .002 deg
(Accuracy of position)**

**Repeatability: +/- .02 deg
(Same position over and over will be within this range)**

**Command Interpretive Interval: < 1ms or better
(Latency from data to motion)**



	<u>Max Range of Motion</u>	<u>Max Velocity</u>	<u>Max Acceleration</u>
Roll:	+/- 25° (50° total)	50 deg/s	167 deg/s²
Pitch:	+/- 15° (30° total)	30 deg/s	167 deg/s²
Yaw:	+/- 25° (50° total)	50 deg/s	167 deg/s²

Values are dependant on mounting radius of 21 for Pitch and 11 for Roll /Yaw

Chassis Specification

(sc830 Chassis)

Max Dimensions:	84" Long x 60" Wide x 48" Tall
Chassis Weight:	~200 pounds (unloaded)
Max Payload:	350 pounds (driver/pilot max + monitor, seat)
Driver/Pilot Max Weight:	250 pounds
Driver/Pilot Max Height:	6' 4"

(Customizations are available for taller and heavier occupants.)

Electrical Requirements

120 V - 20 Amp circuit

Circuit to run the sim, computer, display, speakers, & controllers (if needed)

PC System Requirements

Minimum: 2.0 GHz Processor with 1GB RAM and 100MB harddrive space.
1 Available USB Port Minimum / 512MB Video