

QUBIC SYSTEM

QS-S35

6^{DOF}

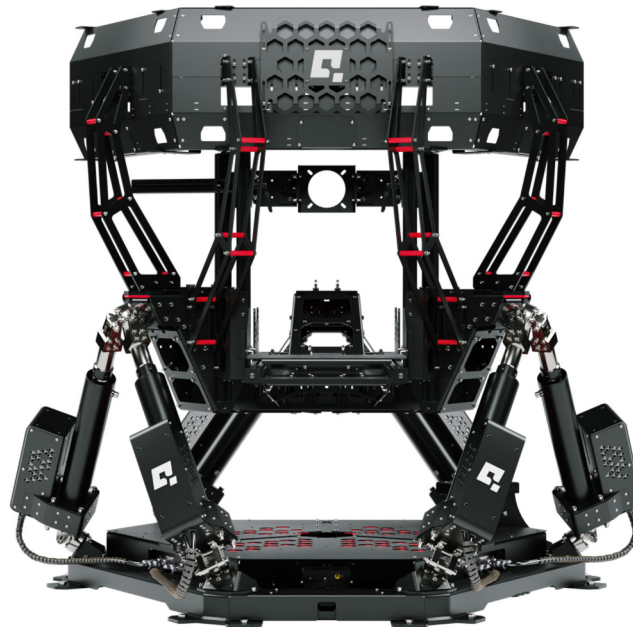
SET ARCHITECTURE

475_{kg}

SET WEIGHT

1000_{Hz}

MAXIMUM CONTROL FREQUENCY


250_{kg}

PAYLOAD

30_{cm}

ACTUATOR STROKE

0-60_{Hz}

VIBRATIONS FREQUENCY RANGE

MOTION PLATFORM QS-S35

The **QS-S35** is designed for users seeking the most immersive and realistic simulation experiences. This platform combines advanced motion technology with modern, customizable accessories, enabling exceptionally authentic flight or racing simulations. With six degrees of freedom (surge, sway, heave, roll, pitch, and yaw), it offers precise motion feedback, almost faithfully replicating critical sensations such as understeer, traction loss, lateral forces, and braking. The QS-S35's linear motion system is also a preferred choice for military and academic institutions, which use it as a training solution across various projects.

KEY FEATURES



Multifunctional

Flexible and universal unit for many various purposes



Unleashed performance

Impressive dynamics and high performance



Software support

Control motion systems using one of ours SDK



Easy to transport

Modular design enabling transportation and assembly on site from the main components



VR technology

Full VR technology support



Safety

Safe mechanical design resistant to electronic failures

GENERAL SPECIFICATION QS-S35

SYSTEM PERFORMANCE

	SINGLE EXCURSIONS	MAXIMUM EXCURSIONS	VELOCITY	ACCELERATION
SURGE	-306.0, 290.4 mm	-370, 370 mm	700 mm/s	7500 mm/s ²
SWAY	-273.6, 273.6 mm	-320, 320 mm	700 mm/s	7500 mm/s ²
HEAVE	-167.2, 175.1 mm	-170, 177.5 mm	400 mm/s	5000 mm/s ²
ROLL	-15.7°, 15.7°	-16.5°, 16.5°	35°/s	450 deg/s ²
PITCH	-14.5°, 14.2°	-19.0°, 19.0°	35°/s	350 deg/s ²
YAW	-23.1°, 23.1°	-27.0°, 27.0°	60°/s	700 deg/s ²

PAYLOAD SPECIFICATION

PAYLOAD	250 kg 551 lb
PRODUCT WEIGHT	475 kg 1047 lb

MAIN DIMENSIONS

DIAMETER	2157 mm 84.92 in
MIN HEIGHT	1720.61 mm 67.74 in

POWER REQUIREMENTS

Required supply voltage: 230 V	
AVERAGE POWER [kVA]	3 kVA
MAX POWER [kVA]	5 kVA
PEAK CURRENT [A]	35 A
AVERAGE POWER - STRESS TEST [kW]	1.7 kW
AVERAGE POWER - TYPICAL GAME [kW]	0.5 kW

SUPPORTED TECHNOLOGIES

VR HeadWay, Self Diagnostic, Self calibration

OUR SOFTWARE

Platform Manager - QubicManager (license)

GENERAL DIMENSIONS

All values are in millimeters.

