

QUBIC SERIES

QS-CH1

3DOF

SET ARCHITECTURE

10cm

ACTUATOR STROKE



300kg







PAYLOAD



MOTION CHASSIS QS-CH1

QS-CH1 is a brand new, modular, and flexibly configurable training product dedicated for advanced land vehicles and city car driving simulation. QS-CH1 is a part of the Qubic System product's series. By using a number of expansion accessories, including manipulators and dedicated peripherals, it is possible to quickly build a simulator for future drivers or vehicle operators. The motion system consists of 3 DOF platform with electric actuators that provide cues for vehicle acceleration, road curvature and obstacles such as sidewalks and potholes.

KEY FEATURES

| | | |
|---|---|--|
|  <p>Easy for transport Euro 2 pallet dimension 1200 mm x 800 mm</p> |  <p>Plug&Play Ready to work in few minutes</p> |  <p>Software support Delivered with software management package and plugins. Simulation software support</p> |
|  <p>Compact design Small footprint and lightweight body</p> |  <p>VR technology Full and native hardware and software integration with the VR headset</p> |  <p>Real-Time Vibrations Generate precise real-time vibrations up to 100 Hz</p> |

GENERAL SPECIFICATION **QS-CH1**

SYSTEM PERFORMANCE

| | Q-MODE 230V | PERFORMANCE MODE 115 / 230V | HEAVY DUTY MODE 115 / 230V |
|----------------------|----------------|--------------------------------|-------------------------------|
| MAXIMUM ACCELERATION | 0.8G* | 0.7G* | 0.4G* |
| HEAVE | 100 mm | | |
| PITCH | -5.1°, 5.1° | | |
| ROLL | -7.9°, 7.9° | | |

* value of acceleration is limited for safety reasons

PAYLOAD SPECIFICATION

| | |
|---------|-----------------|
| PAYLOAD | 300 kg 662 lb |
|---------|-----------------|

MAIN DIMENSIONS

| | |
|--------------|------------------|
| TOTAL WIDTH | 856 mm 33.7 in |
| TOTAL HEIGHT | 763 mm 30 in |
| TOTAL LENGTH | 1426 mm 56 in |

POWER **REQUIREMENTS 3DOF CONFIGURATION**

| | Q-MODE 230V | PERFORMANCE MODE 115 / 230V | HEAVY DUTY MODE 115 / 230V |
|--|----------------|--------------------------------|-------------------------------|
| AVERAGE POWER CONSUMPTION | 260W | 270W / 280W | 462W / 436W |
| PEAK CURRENT FOR BREAKER SPECIFICATION | 5.17A | 7.35A / 4.55A | 9.89A / 5.88A |

SUPPORTED **TECHNOLOGIES**

VR HeadWay, plugin to VBS3/4, auto diagnostic, auto calibration, platform manager - ForceSeatPM (free of charge)

MAIN DIMENSIONS

