

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
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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

