QUBIC SERIES
QS-CH1

3DOF
SET ARCHITECTURE

10cm
ACTUATOR STROKE

290kg
PAYLOAD

RoHS CE

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**

Easy for transport
Euro 2 pallet dimension 1200 mm x 800 mm

Plug&Play
Ready to work in few minutes

Software support
Delivered with software management package and plugins. Simulation software support

Compact design
Small footprint and lightweight body

VR technology
Full and native hardware and software integration with the VR headset

Real-Time Vibrations
Generate precise real-time vibrations up to 100 Hz

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

	Q-MODE 230V	PERFORMANCE MODE 115 / 230V	HEAVY DUTY MODE 115 / 230V
PAYLOAD	140 kg | 308 lb	190 kg | 418 lb	290 kg | 639 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**

544.30

504.00

1114.09

1425.84

762.55

693.55

76.55

718.93

855.17

1135.00

853.67

685.00

381.00