

MOTION SYSTEM

QS-210

2 / 2.5 / 3 DOF



The QS-210 brings professional-grade motion simulation to home setups with a compact, lightweight design. Built on the same proven technology as QS-220, it delivers the same ultra-low sub-8ms latency and precise motion feedback in a more accessible package - reproducing every curb, bump and weight transfer the instant it happens.

WHY QS-210



Compact Design

Fits an existing rig, easy to move between rooms



Ultra-low sub-8ms latency

Feel every curb and bump the instant it happens



Plug & Play

Auto-detects supported titles - ready to run in minutes



Cockpit brackets included

Compatible with popular aluminum profiles

0.6G

MAX ACCELERATION

60mm

ACTUATOR STROKE

400mm/s

MAX VELOCITY

<8ms

LATENCY

0-100Hz

VIBRATIONS

WHAT TO EXPECT

RACING

- › Acceleration & braking G-forces
- › Lateral acceleration in corners
- › Wheel slip and wheel lock
- › Rumble strips feedback

FLIGHT SIMULATION

- › Positive & negative G-forces
- › Engine & rotor vibrations
- › Turbulence effects
- › Landing gear feedback

COMPATIBLE WITH

- QS-Pivot (2.5 DOF upgrade)
- QS-H13 Seat Mover
- QS-CH2 Motion Platform
- QS-BT1 Belt Tensioner
- Most Aluminum Cockpits

SPECIFICATIONS

AXIS	RANGE	HEAVY DUTY Velocity / Acceleration	PERFORMANCE Velocity / Acceleration
Heave (Vertical)	±30 mm	300 mm/s / 0.4 G	400 mm/s / 0.6 G
Max Payload (3DOF)		250 kg	200 kg
Voltage		120 / 230 V	120 / 230 V
PAYLOAD SPECIFICATIONS			
Payload	250 kg		
ACTUATOR DIMENSIONS			
Total Width	92 mm		
Total Length	106 mm		
Min Height	457 mm		
Max Height	517 mm		
Product Weight	30 kg (per set)		
PERFORMANCE			
Architecture	2 / 2.5 / 3 DOF		
Connection	USB		
Stroke	60 mm		
Vibration Range	0-100 Hz		
Latency	<8 ms		
Power Supply	120/230V AC, 1-phase		
Noise Level	54-59 dB (home-friendly)		

POWER DRAW	1× · 120 V	1× · 230 V	2× · 120 V	2× · 230 V
Average Power	0.5 kVA	0.7 kVA	1.1 kVA	1.3 kVA
Peak Power	0.6 kVA	0.7 kVA	1.2 kVA	1.4 kVA
Average Current	5 A	3 A	8 A	6 A
Peak Current	11 A	7 A	19 A	12 A
Avg Power - Stress Test	0.2 kW	0.24 kW	0.48 kW	0.46 kW
Avg Power - Typical Game	0.07 kW	0.06 kW	0.11 kW	0.11 kW

WHAT'S IN THE BOX? (3DOF CONFIGURATION)

QS-210 3DOF Motion Set

- 4x linear actuators
- 8x mounting brackets
- 2x power cabinets
- Set of cables

QS-MC6 Controller Set

- USB motion controller
- Motion-Lock switch
- Connection cables

QUBIC SYSTEM

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PRODUCT



MANUAL

CONNECT WITH US

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