





Motion Platform | 시뮬레이션의 사실감을 극대화한 운동 시스템



High-Performance Motion Platform

실제와 같은 움직임을 재현하는 최첨단 모션 알고리즘과 정밀한 제어 기술로 최고의 몰입감을 제공합니다.

6DoF Motion Platform Lineup

Performance Specs		iMP6-S1000 Payload: 1,000 kg	iMP6-S3000 Payload: 3,000 kg	iMP6-S5000 Payload: 5,000 kg	iMP6-S7000 Payload: 7,000 kg
					
Surge	Disp.	±0.28 m	±0.50 m	±0.55 m	±0.68 m
	Vel.	±0.62 m/s	±0.73 m/s	±0.58 m/s	±0.54 m/s
	Acc.	±9.0 m/s ²	±7.0 m/s ²	±5.8 m/s ²	±5.8 m/s ²
Sway	Disp.	±0.29 m	±0.49 m	±0.55 m	±0.68 m
	Vel.	±0.65 m/s	±0.70 m/s	±0.57 m/s	±0.54 m/s
	Acc.	±9.0 m/s ²	±7.0 m/s ²	±6.6 m/s ²	±6.6 m/s ²
Heave	Disp.	±0.25 m	±0.39 m	±0.40 m	±0.61 m
	Vel.	±0.59 m/s	±0.54 m/s	±0.40 m/s	±0.48 m/s
	Acc.	±9.0 m/s ²	±6.0 m/s ²	±6.0 m/s ²	±6.0 m/s ²
Roll	Disp.	±20.0 deg	±26.0 deg	±22.5 deg	±25.0 deg
	Vel.	±39.24 deg/s	±31.08 deg/s	±21.56 deg/s	±19.76 deg/s
	Acc.	±400 deg/s ²	±250 deg/s ²	±140 deg/s ²	±130 deg/s ²
Pitch	Disp.	±19.0 deg	±25.0 deg	±22.5 deg	±22.5 deg
	Vel.	±36.99 deg/s	±29.64 deg/s	±20.28 deg/s	±18.42 deg/s
	Acc.	±400 deg/s ²	±250 deg/s ²	±150 deg/s ²	±140 deg/s ²
Yaw	Disp.	±21.0 deg	±29.0 deg	±30.0 deg	±26.5 deg
	Vel.	±38.93 deg/s	±37.42 deg/s	±28.48 deg/s	±20.16 deg/s
	Acc.	±600 deg/s ²	±400 deg/s ²	±280 deg/s ²	±200 deg/s ²
Weight		950kg	1,000kg	2,000kg	3,000kg
Dimension		W2250×D2200×H750mm	W2900×D2800×H1250mm	W3300×D2900×H1300mm	W3900×D3400×H1800mm
Power		3Φ 380-400[Vac] 50/60[Hz] Max. 26[A]	3Φ 380-400[Vac] 50/60[Hz] Max. 60[A]	3Φ 380-400[Vac] 50/60[Hz] Max. 78[A]	3Φ 380-400[Vac] 50/60[Hz] Max. 130[A]

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3DoF Motion Platform Lineup

		iMP3-C1000 Payload: 1,000 kg	iMP3-L500 Payload: 500 kg	iMP3-M200 Payload: 200 kg	iMP3-D500 Payload: 500 kg
Performance Specs					
Mechanism		Crank Push-rod	Ball Screw	Ball Screw	Ball Screw
Heave	Disp.	±0.13 m	±0.055 m	±0.031 m	±0.06 m
	Vel.	±0.5 m/s	±0.22 m/s	±0.1 m/s	±0.2 m/s
	Acc.	±5.0 m/s ²	±2.8 m/s ²	±5.0 m/s ²	±8.0 m/s ²
Roll	Disp.	±13 deg	±12 deg	±10 deg	±6.5 deg
	Vel.	±30 deg/s	±30 deg/s	±15 deg/s	±12 deg/s
	Acc.	±200 deg/s ²	±300 deg/s ²	±100 deg/s ²	±600 deg/s ²
Pitch	Disp.	±11 deg	±10 deg	±10 deg	±6.5 deg
	Vel.	±30 deg/s	±20 deg/s	±25 deg/s	±12 deg/s
	Acc.	±200 deg/s ²	±200 deg/s ²	±180 deg/s ²	±600 deg/s ²
Weight		700kg	110kg	110kg	150kg
Dimension		W1700×D1500×H650mm	W850×D1480×H390mm	W800×D800×H560mm	W2200×D800×H300mm
Power		3Φ 380[Vac] 50/60[Hz] Max. 20[A]	1Φ 220-230[Vac] 50/60[Hz] Max. 9[A],	1Φ 220-230[Vac] 50/60[Hz] Max. 6[A]	1Φ 220-230[Vac] 50/60[Hz] Max. 16[A]

- Drive Motor: AC Servo Motor (High Precision)
- Control Connection: EtherCAT / Ethernet / Serial

- Software: Motion SDK / Real-time Monitoring / Washout Algorithm
- Power: 3-Phase 220V/380V (Customizable)

Key Features



다축 모션 시스템

Surge, Sway, Heave, Roll, Pitch, Yaw 다축 자유도 및 정밀 동기화



고정밀 모션 큐잉

위시아웃 필터 최적화로 떨림감 최소화 및 현실감 극대화



직관적인 제어

웹 기반 GUI 및 고성능 SDK로 실시간 모니터링 및 튜닝



다양한 라인업

1DOF~6DOF, 다양한 페이로드 및 특수 사양 제작 가능