

force | dimension

The 6-DOF Delta Haptic Device is a high performance haptic device based on the Delta manipulator. It offers 6 active degrees-of-freedom in translation and rotation and was designed to display high-fidelity, high-quality kinesthetic and tactile information. Thanks to its unique parallel mechanical conception, the Delta Haptic Device can convey a large range of forces and torques over a large workspace, unlike other haptic structures which have either limited force capability or smaller workspace. In addition, parallel mechanics along with base-mounted actuators leads to high stiffness and very low inertia. These characteristics make the Delta Haptic Device one of the best haptic tools available today.



Delta Haptic Device

6-DOF force feedback interface



workspace	translation	Ø 360 mm x L 300mm
	rotation	± 20 deg / axis
forces	continuous	20.0 N
torques	continuous	0.2 Nm
resolution	linear	< 0.03 mm
	angular	< 0.04 deg
stiffness	closed loop	14.5 N/mm
dimensions	height	600 mm
	width	700 mm
	depth	400 - 750 mm
interface	USB 2.0	
power	universal	110V - 240V
OS	Windows	NT / 2000 / XP
	Linux	RH / Fedora
	Apple	OS-X
software	DHD-API	
calibration	precision reference point	
structure	parallel (delta-based)	
safety	velocity monitoring	
	electromagnetic brakes	

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