



HGLOVE™

The HGlove is a hand haptic device, specifically designed for interactive manual work in Virtual Reality and distant environments. Thanks to its natural movement and transparency, it enables a fluid interaction with distant slave robots or digital data.



Virtual Reality

Industrial Simulation

Robotics

9 DEGREES-OF-FREEDOM— 6 ACTIVE DEGREES-OF-FREEDOM

- ✓ Ethernet communication system
- ✓ Device adaptable to different size of hand
- ✓ Possibility to attach it to a Virtuose 6D
- ✓ Possibility to attach it to a Scale1 system
- ✓ ROS interface available
- ✓ Development kit (API) available for the major operating systems

The HGlove is a force-feedback glove exoskeleton, providing force feedback on 3 fingers according to 6 active degrees-of-freedom for a total of 9 degrees-of-freedom. It can be attached to a Virtuose 6D or a Scale1 to fully block the user's hand.



TECHNICAL

Translation force: Peak, Continuous	12 N / 5 N
Position resolution	0.01 mm
Device Weight	0.75 kg

ELECTRICAL

Power supply	100-240 VAC 50/60Hz single phase
Consumption	Less than 225W

SOFTWARE

Maximum translation stiffness	2500 N/m
Maximum rotation stiffness	4 Nm/rad
Update Rate	1000 Hz

HAPTION S.A.

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