

SENSEGLOVE NOVA 2 SPEC SHEET

(V1.0 JUN 2024)



Overview of equipment in the Nova 2 Box

SenseGlove Nova 2 Specs:

Features	Specs per glove
Force Feedback	4x 1 DoF passive magnetic brake force feedback for the thumb, index, middle, and ring fingers, with a maximum force resistance of 24N*. The force can be controlled in 100 steps, though linear behavior is not guaranteed. In practical use, 10-15 distinct steps of stiffness can be felt. Note: there is no capability for force control of the passive force feedback. <i>*Our minimum Quality Control (QC) is on 20N; we strive to achieve 24N on at least the thumb and index fingers.</i>
Haptic Feedback	2x LRA haptic feedback on thumb and index fingertips 2x LRA haptic feedback on the active strap in the palm of the hand one LRA situated on either side of the palm. (Left and right)

Contact Feedback	1x Active strap, 1 DoF control pushing against the palm of the hand
Finger tracking	6 DoF finger tracking (2 DoF Thumb, 2 DoF index, 2x1 DoF middle and ring finger)
Battery Life	3450mAh Lithium-Ion Battery, good for an average of 3 hours of simulation time
Communication	2.4GHz wireless serial communication, 60Hz – 90Hz refresh rate
Software	Compatible with SenseCom device communication program. Compatible with Windows, Linux, and Android devices.
Development Tools	Native C++ API, Development plugins for Unity and Unreal Engine and Ros1 Noetic (update for ROS 2 is planned)
Position Tracking	Third party position tracking required. Available via a controller/tracker mounted with a single screw to each glove (instructions and parts included). Mounts available for: Meta Quest 2, Quest3 and Pro. HTC Vive Focus/XR Elite wrist bands, HTC Vive Pro trackers and HTC Ultimate tracker.
General	Weight: ~350g (12.3 oz) per glove.