

SENSEGLOVE NOVA SPEC SHEET

(V0.1)



SenseGlove Nova

SenseGloves (left and right)

Features	Specs
Motion Capturing	<p>9-axis absolute orientation sensor in the wrist.</p> <p>3-string potentiometers to capture the flexion and extension of the Index, mid and ring finger. 2 string potentiometers to capture the flexion, extension ab, and adduction of the thumb.</p> <p>Optional fusion with proprietary vision algorithms in the SenseGlove SDK to enhance the accuracy of the finger tracking within the field of view of the HMD.</p>
Force Feedback	<p>4 proprietary passive force feedback modules delivering a maximum force of 20N in extension direction at the fingertips</p> <p>A force resolution with an average of 0.2N per programmable step.</p>
Haptic Feedback	<p>2 LRA haptic motors of max 1.8G peak located in the fingertip of the thumb and index finger</p> <p>1 VCA haptic actuator with a sensitivity range of 45-250Hz, for impact simulation of 4.3G located in the palm hub of the SenseGlove.</p>
Power Consumption	<p>A maximum peak current draw of 1.7A per SenseGlove, Max power draw is 13.75W.</p> <p>In average use a 1.5A per Sense Glove.</p> <p>A battery life of 2-3 hours of normal game-play with a 3450mAh Lithium Ion Battery.</p>

Communication	2.4ghz wireless serial communication: A limited 60hz refresh rate guaranteed.
General	Weight: ~320g (11.3 oz) per glove. The size of the hub fits within a cube of 115mm by 115mm
Software Development Kit	<p>An extensive software development kit (SDK) is available for Unity. Available for download here: https://github.com/Adjuvo/SenseGlove-Unity.</p> <p>A basic native C++ SDK) is available for Unity. Available for download here: https://github.com/Adjuvo/SenseGlove-API</p> <p>An Unreal Engine API is available available for download here: https://github.com/Adjuvo/SenseGlove-Unreal-Plugin</p>
Positional Tracking	<p>Motion capturing delivers finger tracking. For tracking of the forearm in the cartesian space an external system is required, e.g., the HTC Vive Steam VR tracker (not part of a SenseGlove set). SenseGlove is developing inside-out tracking of its gloves with advanced vision algorithms that will track the glove in cartesian space. This feature will be available only on the Pico Neo2 at the date of release.</p>