

OptiTrack

METAGLOVES

By MANUS™

All new Quantum Tracking Technology

The OptiTrack Metagloves provide highly accurate finger tracking. Through absolute positioning of the fingertips, the digital hand skeleton is scaled to the physical hand of the user. This results in the most accurate hand- and finger capture to date, while remaining easy to use and without a complex calibration. The new gold standard for finger tracking.

Quantum Tracking in Motive 3

The OptiTrack Metaglove provides highly accurate finger data streamed directly in Motive 3. With the use of the new Quantum Tracking technology the gloves provide millimeter precise absolute fingertip tracking. These sensors are free of drift and are magnetically immune, delivering highly accurate and reliable finger capture data.

Manus Advanced Hand Solver

The MANUS Advanced Hand Solver takes the accurate finger tip position the MANUS Quantum Tracking sensors provide, and applies it to MANUS' research-based biomechanical hand model to accurately recreate a digital hand skeleton.

Next level finger capture in Motive 3

Real-time streaming

Our central software Manus Core is a data-handling tool developed to receive Manus glove data and output this optimally to your desired target. Manus Core streams data directly to Motive 3, minimizing the impact on your existing pipeline.

SDK and recording finger data

Our open SDK allows for building any other integration. The recording functionality allows you to record your session, edit them, and export them as FBX files.

What's in the box?

- 2x Quantum Glove
- 1x Wireless Dongle
- 2x Quantum Batteries
- 2x Adapters for Optical Tracking
- 2x USB-C Cables
- 36x Finger Sleeves 1/2/3
- 12x Finger tapes
- 1x Getting started guide
- 1x Travel case

Hardware specs.

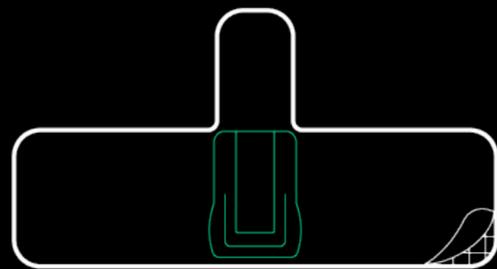
Signal latency	≤ 7.5 ms
Finger sensor type	Absolute position, 3 axis rotation
Sensor sample rate	120Hz
Battery duration	Up to 3 hours (swappable)
Charging time	2 hours USB-C
Weight	138 grams
Wired communication	USB-C
Wireless communication	Bluetooth Low Energy 5
Wireless range	Up to 15 meters
Textile information	One size fits all (washable)
Finger attachments	Finger sleeves, finger tapes

Compatible with industry standards through  **Motive 3.1**



Wear it according
to your needs.

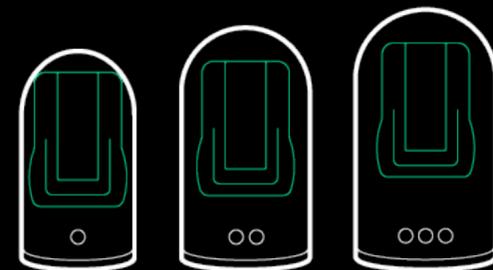
The Quantum sensors can be worn on the fingertips in multiple ways. We give our users the possibility to choose the method that fits their use case best. Here are the two available options:



1. Finger Tape

The finger tapes can be wrapped around the finger tips. The Quantum sensors are attached on the mounting clips on top.

The finger tape method provides extremely steady mounting of the Quantum sensors.



2. Finger Sleeves

The finger sleeves are worn by sliding them over your finger tips. The Quantum sensors are attached on the mounting clips on top.

The finger sleeve method provides a quicker method to wear the Quantum sensors. The finger sleeves are available in three sizes.



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Additional features

Replaceable Textiles

The textiles of the Metagloves are washable and replaceable. The electronics can be removed in a matter of seconds.



Uninterrupted workflow.

Charging station

Fully charge up to 6 batteries simultaneously in 1 hour and 15 minutes. This charging station is also compatible with Prime X and Pro Tracker batteries, so you can charge your Metaglove and SteamVR Pro Tracker batteries at the same time.



Swappable batteries to stay charged

The Quantum Metagloves come with swappable batteries, to provide you with an uninterrupted workflow. The Quantum batteries can last 4 hours during continuous use on a full charge. Additionally, the Quantum Metagloves can be powered by an external power source through the USB Type-C port.

