# MANUS™
# PRIME 3
## Mocap

Effortlessly create captivating content by adding hand capture to your setup.
Perfect for Indie Mocap, Pre-visualization applications, Life Performance Streaming and V-tubing.



## Indie Mocap



Elevate your characters with lifelike and intuitive hand capture. Effortlessly capture your movements and elevate your capture to performance capture without a complicated pipeline.
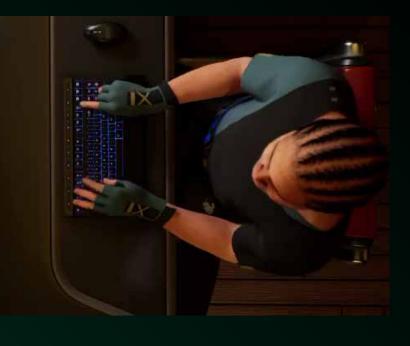
## Live performance



Bring emotion and humanity to your virtual characters by adding accurate hand- and finger capture. Complete your live capture setup with hand and finger motion without complicating your setup by streaming straight to Unreal or Unity. Ideal for live performance and V-tubing.

## Previz



Take your pre-viz pipeline closer to the final result by adding convincing hand capture. Improve your previsualization process by adding hands and fingers, allowing you to more accurately frame your final shots.

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# PRIME 3
## Mocap

Powered by QUANTUM AI

## Features

- **Enhanced with Quantum AI**
  The MANUS Prime 3 gloves are enhanced with Quantum AI. This advanced machine learning algorithm is trained with industry-leading Quantum tracking data and is seamlessly applied to your Prime 3 data in real time.

- **High Fidelity Hand Tracking**
  Elevate any pipeline to performance capture by adding high fidelity hand capture. Tracking continues where optical stops. With the Prime 3 Mocap gloves, you will never have to worry about occlusion or field of view.

- **Perfect Prop Handling**
  Capture lifelike prop handling performance and hand interactions without any restriction to your movement. Whether you are capturing weapon reload animations, environmental interactions, or multi-actor fight scenes, the Prime 3 provides capture data you can rely on.

- **Native Integrations**
  Effortlessly create captivating content by adding hand capture to your setup. Perfect for Indie Mocap, Previsualization, Live Performance streaming and V-tubing. Plug-and play integrations with industry standards for unrivaled ease of use. Fully integrated in Xsens MVN, OptiTrack Motive 3, Autodesk MotionBuilder, Unreal Engine and Unity.

- **Quick & Easy**
  Ready to go within a minute using intuitive design and automatic calibration. The Prime 3 gloves are designed for continuous use without interruption. The calibration profile is automatically optimized during use.

- **10 Hour Battery Life**
  Never run out of battery during your sessions. In case you need even longer uptime, the swappable batteries in combination with the MANUS Charging Station allow you to keep the gloves up and running for longer periods of capturing.

## Compatible With

XSENS  OptiTrack  Unity

UNREAL ENGINE  VICON  AUTODESK MOTIONBUILDER

## Hardware Specs

| | |
|---|---|
| Signal Latency | ≤ 7.5 ms |
| Sensor Sample Rate | 90 Hz |
| Battery Duration | 10 hours |
| Charging Time | 3 hours (USB Type-C) |
| Weight | 138 grams |
| Wired Communication | USB Type-C |
| Wireless Communication | Bluetooth Low Energy 5 |
| Supported Operating Systems | Windows 10/11 |
| Finger Sensor Type | 5x 2DoF Flexible sensors and 6x 9DoF IMU's |
| Finger Flexible Sensor Repeatability | >1.000.000 cycles |
| Orientation Sensor Accuracy | +/- 2.5 degrees |
| Textile Information | 77% Polyester, 23% Spandex |

## What's in the Box

- Pair of Prime 3 Mocap Gloves
- 2 USB-C Cables
- Dongle
- 2 Xsens Awinda Adapters
- 2 Xsens Link Adapters
- Pair of Rigid Markers
- 2 Batteries
- Travel Case
- Quick Start Guide