MANUS™
PRIME 3
Haptic XR

Powered by QUANTUM**AI**

Introduction

The **MANUS Prime 3 Haptic XR** enables true immersion in any XR workflow by allowing intuitive interaction using your hands. Combining high fidelity finger tracking with lightweight integrated haptics make the gloves the perfect solution for VR training and Design Validation.

QUANTUM**AI**

Empowered by unparalleled, best-in-market finger tracking data, Quantum AI effortlessly propels MANUS Prime 3 Haptic XR gloves to unprecedented heights..
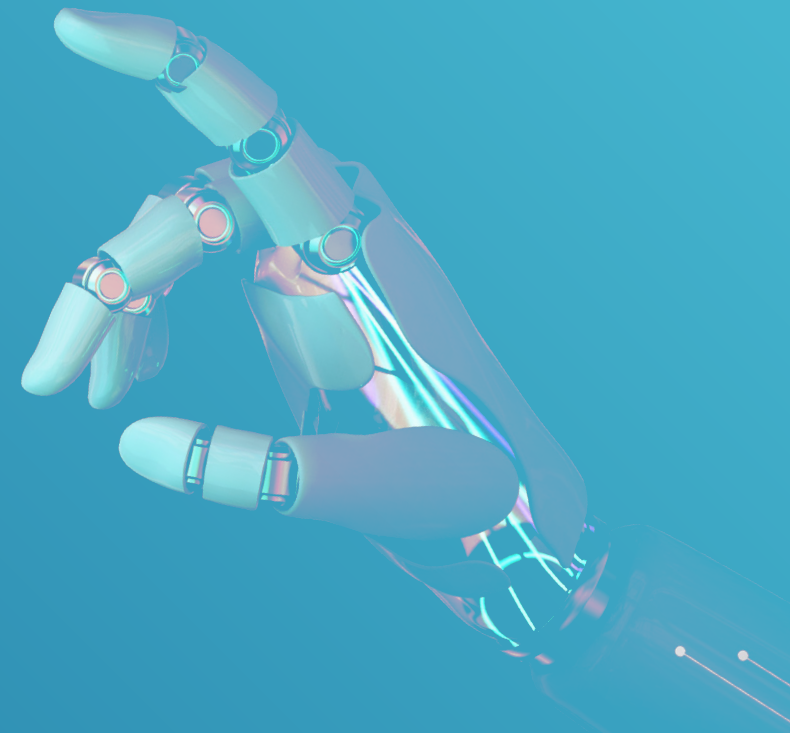
Use Cases

Military, First Responder & Civil VR Training

Prime 3 Haptic XR gloves offer immersive and interactive experiences, allowing trainees to more efficiently develop vital skills and enhance the learning process through enabling communication and by providing multisensory feedback.
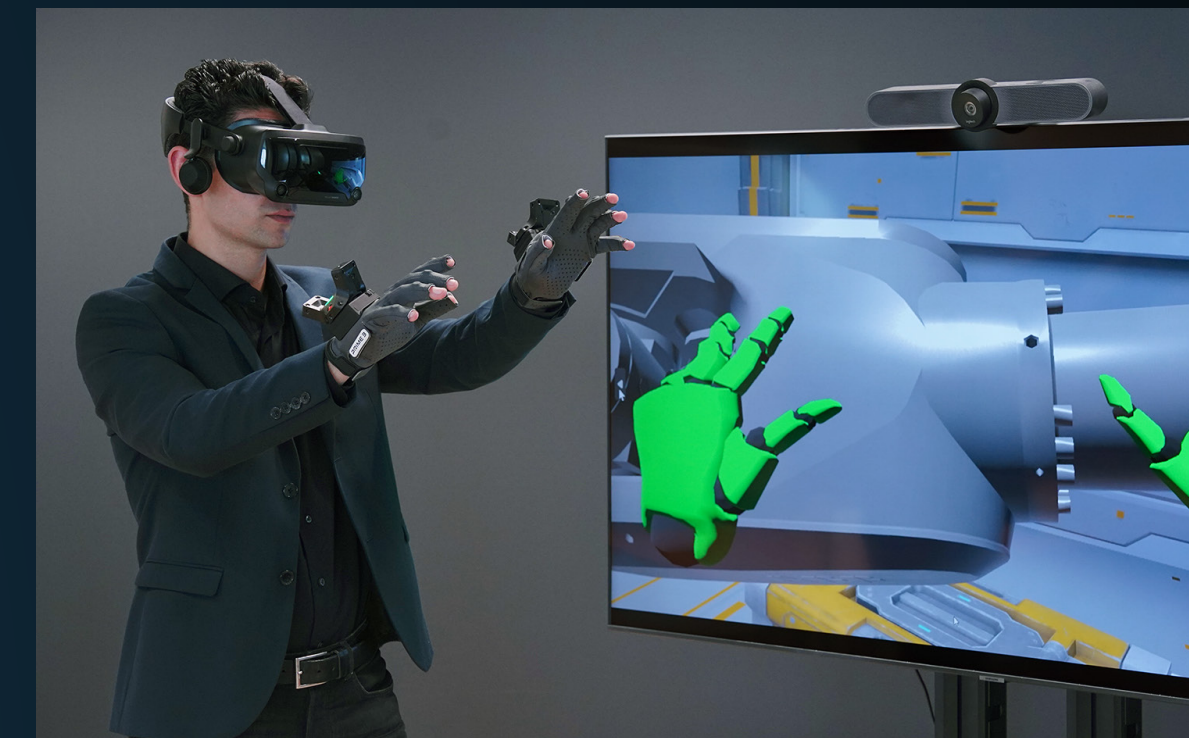
Virtual Prototyping & Design Validation

Prime 3 Haptic XR streamline the design process, providing a realistic sense of objects without physical prototypes. This allows the user to validate the design through human interaction early in the process, eliminating costs and saving time.

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Features

High Fidelity Hand Tracking
Tracking continues where optical stops. Not limited by field of view.

Ultra Lightweight Integrated Haptics
Comfortable and unobtrusive. Free to perform your full range of motion without breaking immersion.

Perfect Prop Handling
Never experience occlusion and feel the props you are using with your fingertips.

Native Integrations
Easy to use and integrate with native integrations through OpenXR, Unity, Unreal, VRED & IC.IDO

Quick & Easy
Ready to go in under a minute. Intuitively interact in VR without needing instructions or button explanations.

12 Hour Battery Life
Never run out of battery during your sessions. Extend the battery life to 24+ hours with swappable batteries and a MANUS Charging Station.

Hardware Specs

Signal Latency	≤ 7.5 ms
Sensor Sample Rate	60 Hz
Battery Duration	12 hours
Charging Time	3 hours (USB Type-C)
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
Haptic Feedback	Integrated Vibrotactile Haptics
Textile Information	77% Polyester, 23% Spandex

Compatible With

OpenXR™   STEAM®VR   ◈ unity

UNREAL ENGINE   IC.IDO   V VRED

What's in the Box

- Pair of Prime 3 Haptic XR Gloves
- 2 USB-C Cables
- Dongle
- 2 Vive Tracker Adapters
- 4 Batteries
- Quick Start Guide