OHMNILABS

Build the future, today

ABOUT OHMNILABS

OhmniLabs is a Silicon Valley-based company focused on providing demand-driven robotics solutions. Since founding in 2015, we've sold thousands of robots to a variety of sectors in more than 50 countries across the world. Our on-site manufacturing allows us to design, engineer, and manufacture custom robots based on customer needs at unrivaled speed.

CONTACT US

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OHMNI PRO AUTONOMY EDITION

The perfect platform for developing your own robot application. Get out-of-the-box production-grade hardware with our fully tuned ROS autonomy stack.

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FEATURES

Based on our award-winning Ohmni Telepresence Robot platform

- 10.1" HD capacitive touchscreen, high brightness
- Long-lasting 3-4 hour battery life
- Coral TPU (optional)
- High power Intel WiFi chip + OhmniLabs custom WiFi roaming enhancements
- RPLidar S2 (long range 30m ToF)
- Telepresence/Teleoperation software (cloud + local)
- Bosch IMU for robust odometry
- 30W charging dock w/ autodocking

- 4K front camera & 2MP navigation camera
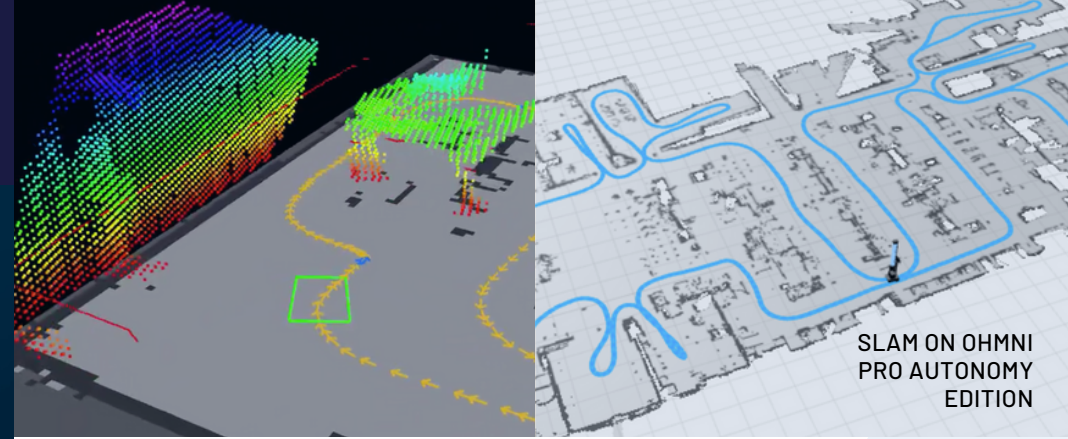- Quad MEMS mic array w/ echo cancellation & beamforming
- Runs OhmniOS - Android with full Ubuntu + ROS underneath
- Realsense D435
- Intel quad-core 64-bit CPU (up to 2.5 GHz) w/ 4GB RAM / 32GB eMMC
- Lightweight & foldable only 25lbs
- Silent direct drive brushless motors w/encoders

Multiple base models available
HW and SW customizations for larger orders

SLAM ON OHMNI PRO AUTONOMY EDITION

PERFECT FOR HCI & MOBILE ROBOT DEVELOPMENT

Leverage Ohmni Pro's enterprise-grade telepresence technology to build interesting apps. A security guard calling into a robot? A receptionist guiding visitors around the building? No need to mess with getting enterprise-grade WiFi roaming to work or figuring out low-latency, high-performance HD video codecs, and WebRTC signaling.

SSH into the underlying Ubuntu environment and get full access to the running ROS stack. Push your own compiled ROS code, send move_base goals, or listen to any of the ROS topics that you want.

Code up on-screen UI/UX for the robot as either an Android app or an OhmniAPI web page. OhmniAPI lets you access and control the robot via JS calls on a page, making it easy to build cloud-connected robotic applications.

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