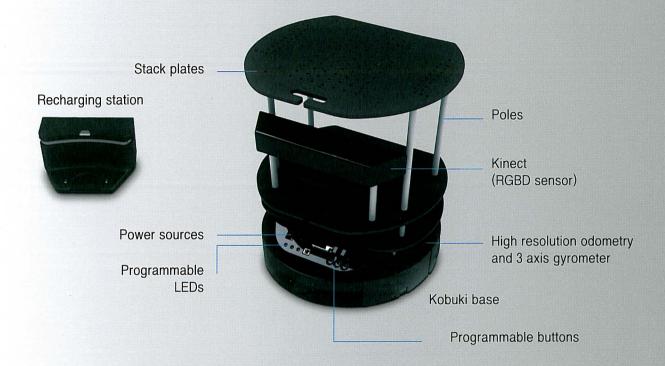
Turtlebot 2

Kobuki based Research Platform

TurtleBot2 is an open robotics platform designed for education and research on state of art robotics. It is also a powerful tool to teach and learn ROS(Robot Operating System) and make the most of this cutting edge techonology. Equiped with a 3D sensor, it can map and navigate indoor environments. The 3D perception, together with the turtlebot arm, enables manipulation tasks.



Software Ecosystem

OpenNI framework OpenCV & PCL Navigation stack Perception & manipulation Paired Android-robot apps Gazebo simulation ROS

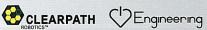
Wide community

Web Site http://turtlebot.com Github https://github.com/turtlebot **ROS Wiki** http://ros.org/wiki/turtlebot **ROS Answers** http://answers.ros.org https://plus.google.com/101989863972881638653/posts Google+

Partners







*: Robotnik



YUJIN ROBOT

Kobuki

iClebo Kobuki is a low-cost mobile research base designed for education and research on state of art robotics. With continuous operation in mind, Kobuki provides power supplies for an external computer as well as additional sensors and actuators. Its highly accurate odometry, amended by our factory calibrated gyroscope, enables precise navigation.

High Quality Platform

Motors, battery, base Various power sources C++ driver for Linux and Windows High resolution odometry Affordable

WHAT

General purpose research platform A component in multi-robot systems

WHO

Student / Professor Researcher ROS beginner Hobbyist



Kobuki Specs

Max speed	700 mm/sec 180 deg/sec
Odometry	Built-in 3-axis gyrometer High resolution wheel encoder (11.7 ticks/mm)
Battery	Lithium-ion 4S1P (2200 mAh) 4S2P (4400 mAh) (Low Price/effective battery system)
Power sources	5V, 12V, 3.3V
Charging	Robot and laptop simultaneous charge
Firmware	Upgradable
Standard kit (base + battery + adapter)	World wide distribution

Wide community

Web Site
Github
Twitter
Blog
ROS Wiki
Http://kobuki.yujinrobot.com
https://github.com/yujinrobot/kobuki
https://twitter.com/yujinrobotrnd
http://blog.yujinrobot.com
http://ros.org/wiki/kobuki