

ITIS PININFARINA - I&R



LittleDog

What is LittleDog?

Little dog is one of the several products of Boston Dynamics, like Big Dog, Rhex or Ceetah.

LittleDog is Aibo's cousin, and it is a four-footed robot designed for research on learning locomotion

Its name comes from the fact that it looks like a real little dog.

Boston Dynamics



It is long about 30 cm and it is about 10cm tall.

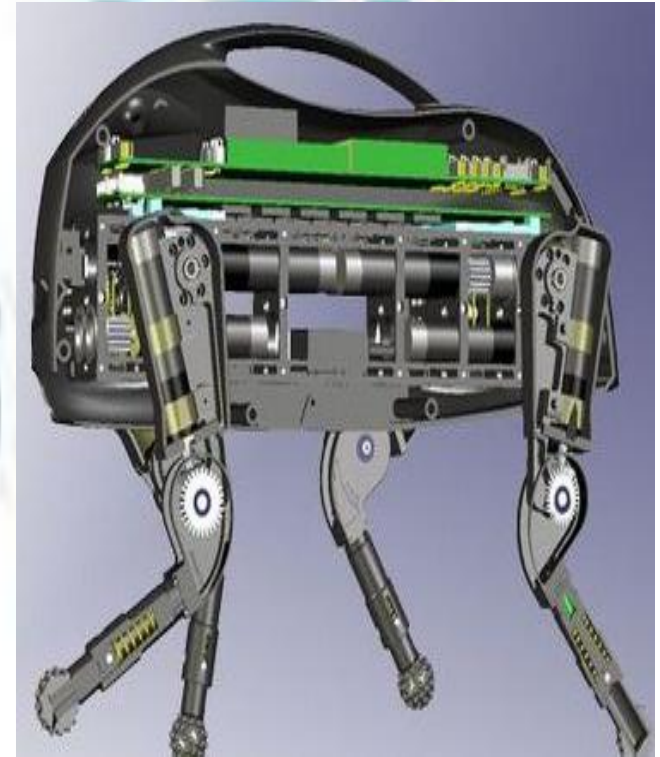
Scientists at leading institutions use LittleDog to probe the fundamental relationships among motor learning, dynamic control, perception of the environment, and rough-terrain locomotion.

How LittleDog is inside

LittleDog has four legs, each powered by three electric motors. The legs have a large range of motion. The robot is strong enough for climbing and dynamic locomotion gaits. The onboard PC-level computer does sensing, actuator control and communications.

Boston Dynamics

LittleDog's sensors measure joint angles, motor currents, body orientation and foot/ground contact. Onboard lithium polymer batteries allow for 30 minutes of continuous operation without recharging. Wireless communications and data logging support remote operation and data analysis.



- Bibliography: text and images
- <http://www.astroman.com.pl/index.php?mod=magazine&a=read&id=905>
- <http://www.bostondynamics.com/>

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