



## IVO

IVO is a mobile urban service robot aimed to perform navigation, manipulation and human robot interaction tasks. Navigation is based on a 4 wheel skid steering platform, a front 3D lidar and depth camera and rear 2d lidar. Manipulation is based on two 7 DoF arms with wrist torque force sensors, a 1 DoF gripper and 3 DoF hand-like gripper. It's also equipped with a pan and tilt head with a depth camera, microphone and speakers with Tex-To-Speech software and a touchscreen.



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## Key Features

- Two 7Dof arms with wrist torque force sensors and grippers
- Mobile 4 wheeled outdoor platform
- ROS enabled robot
- 3D camera and lidar sensors

## Possible Applications

- Navigation
- Object manipulation
- Human robot interaction

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## Access information

<b>Corresponding infrastructure</b>	Universitat Politècnica de Catalunya IRI
<b>Location</b>	C/ Llorens i Artigas 4-6, 08028 Barcelona, Spain
<b>Unit of access</b>	Working day

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## Technical specifications

No technical specifications specified.