# Pioneer 3-AT

The PIONEER 3-AT is a highly versatile four-wheel drive robotic platform. Powerful, easy to use reliable, flexible, P3-AT is a popular team performer for outdoor or rough-terrain projects.It offers an embedded computer option, opening the way for onboard vision processing, Ethernet-based communications, laser, DGPS, and other autonomous functions.It is controlled with ROS/Ubuntu using a laptop.

## Key Features

- Payload: Up to 12kg
- Speed: 0.7m/s
- Endurance: 2-4 hours
- Weight: 12kg
- Control: Laptop with Ubuntu/ROS

## Possible Applications

- Tracking of moving targets
- Obstacle avoidance
- Cooperation for load transportation
- Localization and mapping with feedback purpose
- Datasets obtainment

## Access information

| | |
|---|---|
| **Corresponding infrastructure** | Universidad de Sevilla<br>Robotics, Vision and Control Group |
| **Location** | Camino de los Descubrimientos,<br>41092 Sevilla, Spain |
| **Unit of access** | Working day |

## Technical specifications

| | |
|---|---|
| **Turn radius** | 0 cm |
| **Speed** | 0.7m/s |
| **Payload** | 12kg |
| **Power supply** | Hot swappable battery |
| **Endurance** | 2-4 hours |
| **Weight** | 12kg |
| **Embedded sensor** | Kinect |

Copyright by TERRINet. All rights reserved.

# Additional information

http://www.mobilerobots.com/Libraries/Downloads/Pioneer3AT-P3AT-RevA.sflb.ashx

Copyright by TERRINet. All rights reserved.