1 Basic data about vehicle

Specifications in cm, kg or dB(A)!

Height: 55 cm (Total height from ground to top, including antennas etc.)
Height: 47 cm (Total height from ground to top of the vehicle)
Width: 42 cm
Length: 47 cm
Weight: 25 kg (Including all accessories)
Ground clearance: 4 cm
Average noise level: negligible, ie., - dB(A) (approx.)
Climbing performance: approx. 15 degree
Wheel or track driven: wheel (skid steer)
Propulsion: batteries (Examples: batteries, fuel, solar, nuclear etc.)
Endurance: 4 hrs
Max. speed: 1.25 m/h
Payload: 5 kg

2 Communication equipment

If you have multiple communication links and/or devices please specify all of them (Example: WLAN, COFDM, Radio link, Video link etc.).

Type: WLAN 802.11b
Frequency: 2412 MHz (i.e., channel 1)
Possible frequency range: from 2400 to 2800
Power: 50 mW
Vehicle Specification Sheet

Modulation: none
Number of channels: 16

3 Sensors equipment

What kinds of sensors are mounted on your vehicle?

Laser: 1 x Sick Laser LMS 200, mounted on a tilt unit
Vision: 2 x Logitech QuickCam 4000 Pro (USB) cameras, mounted on a pan/tilt unit.
GPS: Garmin GPS 18 Pro (USB). Accuracy: < 15 m.
Radar: none
Odometry: 22000 ticks per wheel turn
Inertial measurement unit: Analog devices ADXRS300 Gyro

4 Computing equipment on vehicle

Number of computers: 1
Number of CPUs: 1 and 1 Microcontroller
Type of CPU: Intel Centrino 1.4GHz, Infineon C167CR
Operating system(s): Linux (SuSE 9.3)

5 Basic data about control station

Pictures of the control station:

Number of operators (mandatory/optional): 0 / 1
Number of computers: 1
Number of CPUs: 1
Type of CPU: Intel Centrino 760 2GHz
Operating system: Linux (SuSE 9.3)
Space needed for control station: normal table for laptop, joystick and WLAN access point
Weight of control station: 5 kg
Power source needed: 230 Volts AC with 100 W