



Vehicle Specification Sheet



Pictures of the vehicle:

Name of vehicle: Kurt3D

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



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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