

# Overview

## Sensor Data



TECHNISCHE  
UNIVERSITÄT  
DARMSTADT

### Section 1 Sensor Data

This document contains a table listing all sensory data, which is transferred by the protocol to create.

**table 1: Sensor Data**

Sensor Data as a description	Representation type	Size in Bits	Sampling in kHz
angle_pitch	int	32	1
angle_roll	int	32	1
angle_yaw	int	32	1
angvel_pitch	int	32	1
angvel_roll	int	32	1
angvel_yaw	int	32	1
acc_x	short	16	1
acc_y	short	16	1
acc_z	short	16	1
Hx (magnetic field)	int	32	1
Hy (magnetic field)	int	32	1
Hz (magnetic field)	int	32	1
motor_rpm[6]	unsigned char	6*8=46	1
GPS_latitude	int	32	1
GPS_longitude	int	32	1
GPS_height	int	32	1
GPS_speed_x	int	32	1
GPS_speed_y	int	32	1
GPS_heading	int	32	1
GPS_position_accuracy	unsigned int	32	1
GPS_height_accuracy	unsigned int	32	1
GPS_speed_accuracy	unsigned int	32	1
GPS_sat_num	unsigned int	32	1
GPS_status	int	32	1
GPS_time_of_week	unsigned int	32	1
GPS_week	unsigned short	16	1
to be continued...			