



TELEMETRY SYSTEM AND IMAGE MANAGEMENT

Based on embedded module TX-53 from KaRo, size SO-DIMM 200, with the following specifications:

- Freescale i.MX537 Cortex-A8 – 800MHz
- 128 MB Nand Flash
- 512MB DDR3 SDRAM
- Temperature range -40°C / +85°C

Set functionalities:

- Ethernet 10/100Mbps
- 1 USB OTG
- 1 USB Host
- CVBS input video camera
- LED status indicators
- GPS
- Triaxial Gyro
- Triaxial accelerometer and compass
- Pressure sensor
- WiFi b/g/n
- 1 RS232 port for debugging
- 2 GPI to 5V
- 6 PWM outputs for servomotors control
- Battery for date back-up
- Power supply from 9VDC to 15VDC (battery LiPo 11,1V from 2200mAh to 5000mAh)
- Battery current sensor