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Aerosens cutting edge flight data logging and pilot critiquing system.



SPECIFICATIONS

GPS

- Receiver Performance Data
- Max Update Rate - 20 per second
- Accuracy
- Start-up times - less than 1 second
- Sensitivity - 150DB
- Antenna
- 2 x External Antenna's mounted on underside and top side
- Field of view 270° each

INERTIAL SENSORS

- Accelerometers
- Rate gyros
- Magnetometers

PRESSURE SENSORS

- Static
- Dynamic

INTERFACE

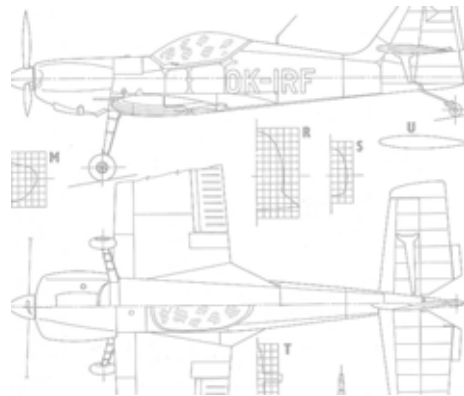
- WiFi 802.11g
- USB 1.0 and 2.0 (Flash Disk, cameras.)
- Compact FLASH: MMC and SD

ELECTRICAL

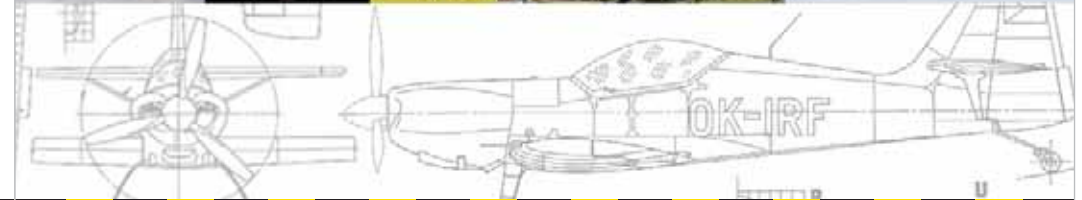
- Power supply 12 - 28V
- Power consumption less than 1A

ENVIRONMENTAL DATA

- Outside temp -40°C to 85°C Max g >+-10g



outside back



outside front

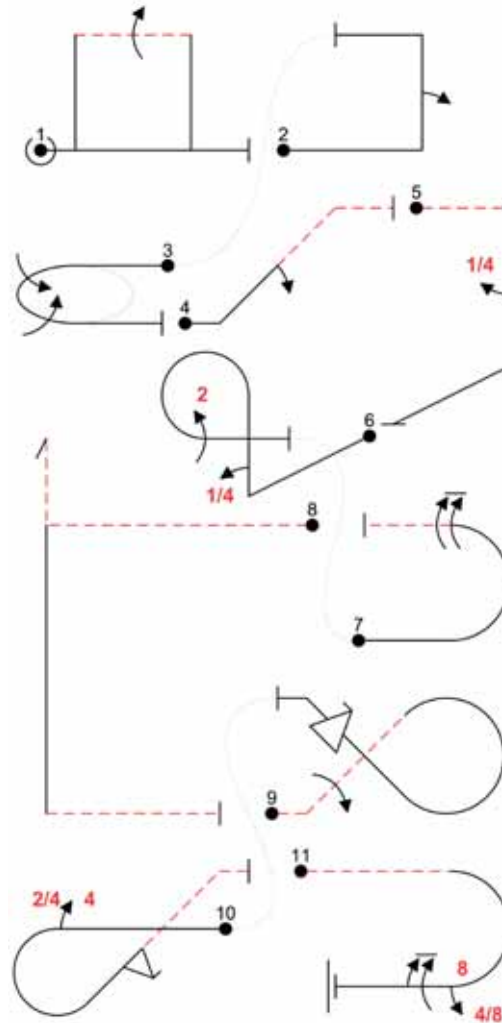
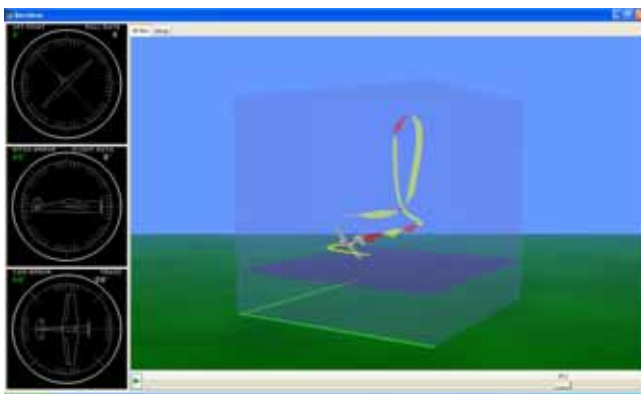


AEROSENS PILOT CRITIQUING SYSTEM

Aerosens has positioned itself with industry leaders in global positioning system (GPS), inertial navigation system (INS) and electronic hardware manufacturers. Integrating this with a detailed knowledge of competition aerobatic sport, Aerosens is in the unique position to offer its cutting edge flight data logging and pilot critiquing system to the aerobatic community.

This unique combination of benefits is complemented by a full range of flight analysis software, as well as a worldwide support network of professionals who know and use the system every day.

Let your results speak for themselves.



- Multiple full colour cameras are easily integrated into the system, and together with cockpit voice recording add another dimension to your aerobatic training. All the data is recorded in real-time allowing you to keep a historical record of your flights, or could be made available to television show producers for use in various sport aviation shows and movies.
- During live entertainment such as airshows or aerobatic competitions where computerised judging assistants are used, the flight data is wirelessly beamed from your aircraft to a ground base-station over an encrypted, tamper proof channel. Once received on the ground the data is made available to the judging line, TV crews or presented on public display boards.
- Pilots, coaches and judges are able to access the stored flight data using easy to use, fully intuitive software run on a laptop or PC. The flight data is presented in the form of a movie. Attitude and flight path are quantified and easy to visualize using a variety of on-screen instrumentation displaying roll, pitch and yaw as well as a flight path ribbon, useful for determining the position of rolls on lines, shapes of figures, positioning in the box and zone infringements.