MAGELLAN AÉRO

Attitude **M**easurement and **I**nnovative **A**strale **G**eolocalization

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MAGELLAN AERO | FEATURES

MAGELLAN is an astro-inertial position and attitude determination system. It is independant of any radio navigation source (GNSS).

Opto-inertial block

- Field of view : 83°
- Channels : daylight + night with motorized filter
- Size : 240 x 210 x 190 mm
- Weight : 7150 g
- Power supply : POE + 24 V, 110W max
- Inertial measurement unit : integrated

Computing unit

- Size L 500 x D 400 x H 250 mm
- Power supply 115V/60Hz, 230V/50Hz ou 12 V DC
- Max power 100W
- Industrial computing unit : IP65
- Time server : PTP, PPS + ZDA
- Outputs : multicast UDP, RS 422, RS 485
- Format : NMEA 0183

Performances

- Latitude, longitude : 0,25 NM (1σ)
- Roll, pitch, heading : 36 arcsec (1σ)
- Time drift : <100µs/day
- Data frequency : 100 Hz
- Availability rate : 100%

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