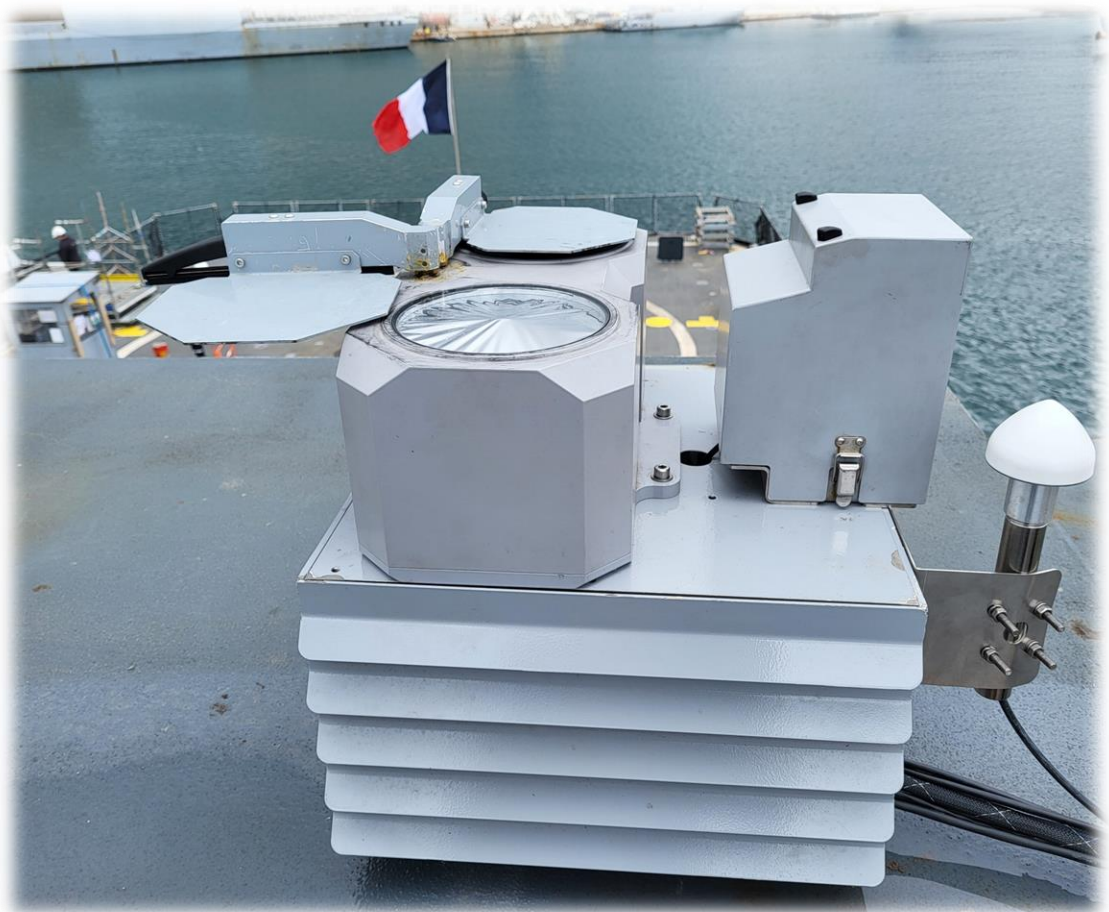




MAGELLAN

**Attitude Measurement and Innovative
Astral Geolocalization**



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STARNAV

MAGELLAN | FEATURES

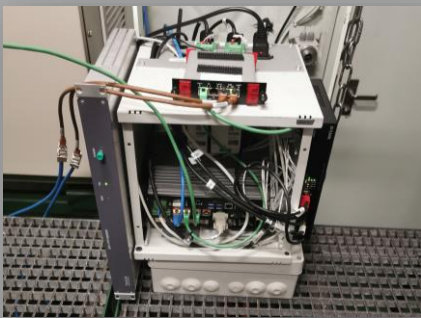
MAGELLAN is an astro-inertial position and attitude determination system. It is independent of any radio navigation source (GNSS).



Opto-inertial block

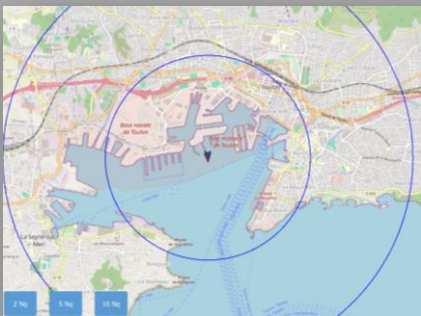
Fixed installation on a clear area

- Field of view : 140°
- Channels : daylight + night
- Size : 450 x 450 x 400 mm
- Weight : 20 kg
- Power supply : POE (110 W max)
- Inertial measurement unit : integrated
- Optics protection : integrated
- Windshield wiper and washer : integrated



Computing unit

- 10' rack : 300 x 300 x 400 mm
- Power supply : 115/230 V AC or 12 V DC
- Industrial computing unit : IP65
- Time server : PTP, PPS + ZDA
- Outputs : NMEA multicast UDP, NMEA RS 422, NMEA RS 485



Performance

- Latitude, longitude : 0,7 NM (1σ)
- Roll, pitch : 0,1 mrad (1σ)
- Heading : 0,1 mrad (1σ)
- Time drift : $<10\mu\text{s/day}$
- Data frequency : 100 Hz
- Availability rate : 100%