



MAGELLAN

Mesure d'Attitude et GEOLocalisation Astrale Novatrice
Attitude measurement and innovative Astral GEOLocalisation



STARNAV

Quartier KOENIG
29, rue Jean-Louis Cartigny
14760 Bretteville sur Odon

France

+33 2 31 74 18 82

contact@starnav.fr

www.starnav.fr

ISO 9001
EN 9100
BUREAU VERITAS
Certification





MAGELLAN determines the position and attitude of its carrier from the observation of the stars. It is independent of any radio navigation source (GNSS).



Optical block

Fixed installation on a clear area.	
Field of view :	140°.
Channels:	day + night
Size :	450 x 200 x 200 mm
Weight :	10 kg
Inertial measurement unit:	integrated
Power and data :	via POE (2x)
Optics protection:	integrated,
Windshield wiper and washer:	integrated



Computing system

10' rack :	300x300x400 mm
Power supply :	115/230V AC or 12 V DC
Industrial computing unit :	IP65
Time server :	PTP
Inputs :	IMU input possible PPS, NMEA (ZDA)
Outputs:	NMEA multicast UDP, NMEA RS 422, NMEA RS 485



Performances

<u>Position:</u>	
Latitude, longitude:	0.5 NM (1 σ)
<u>Attitude:</u>	
Roll, pitch:	0.1mrad (1 σ)
Heading:	0.1mrad (1 σ)
Time drift:	< 10ns/day
Data frequency:	1 Hz
Availability rate:	100% for a recalibration ∇ 24H



All data and information presented in this document are the property of STARNAV. STARNAV reserves the right to change specifications without notice..

STARNAV 29, rue Jean Louis Cartigny 14760 Bretteville sur Odon, FRANCE