



ADVANS URSA

HIGH GRADE AUTONOMOUS POINTING & TARGETING SYSTEM

ADVANS URSA is a reliable, maintenance-free integrated reference system for stabilization and pointing systems of radars, gun turrets, rocket launchers and other weapon systems. Designed for land vehicles and mobile heavy guns, it provides highly accurate heading, roll and pitch output with a fast set up and response time, ideal for battlefield weapon alignment and similar applications.

FEATURES

- Accurate heading, roll & pitch outputs
- No mechanical nor dithering part
- Space-grade FOG technology
- Fast alignment

BENEFITS

- Efficient stabilization & control loop
- No maintenance required
- 30,000 hours MTBF
- Rapidly operational

APPLICATIONS • Radar systems • Reconnaissance vehicles
• Turret stabilization and pointing • Weapon systems



ADVANS URSA

TECHNICAL SPECIFICATIONS

ADVANS URSA is based on in-house Fiber-Optic Gyroscopes (FOGs) sensors developed and manufactured by IXSEA for decades to meet the most stringent requirements of demanding applications such as satellite control, marine and submarine vessels, land and aerial vehicles.

PERFORMANCES

Heading accuracy	2 mils rms x secant lat
Roll & pitch accuracy	0.2 mils rms
Set-up time (static)	< 2 min
Set-up time (dynamic)	< 5 min

PHYSICAL CHARACTERISTICS

Size (L x W x H)	276 x 136 x 148 mm
Weight	4.5 Kg

INTERFACES

Power consumption	< 18 W no cooling required
Power input range	12 to 32 VDC
Input / output formats	RS232/422 Ethernet TCP/UDP
Update rate	Up to 200 Hz

ENVIRONMENTAL

MTBF	> 30,000 hours
Operation temperature range	-30°C to 60°C
Storage temperature range	-46°C to 80°C
Angular rates	> 200 °/s
Vibration	MIL STD 810
Shocks	30 g, 10 ms
Orientation	Can be mounted in any orientation
Roll and pitch	No limitation
EMC	MIL STD 461

Specifications subject to change without notice