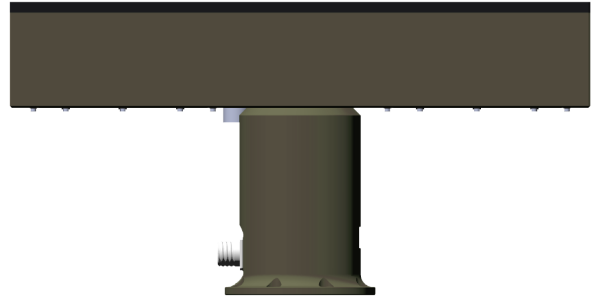


POS Series Osiris

Gyrostabilized 1-Axis Pan & Tilt

POS-Osiris is a single-axis platform designed to carry RF flat panels on-the-move and in harsh environments. Used for both surveillance and communication applications, Osiris ensures panoramic reconnaissance capability by providing quick rotation and fixed positioning of AESA RADAR antennas. Mast-mounted or embarked on mobile platforms, Osiris compensates slow motions to ensure panoramic reconnaissance.



FEATURES

- High acceleration
- Rugged design
- Gyrostabilization

BENEFITS

- Fast 360° coverage with multiple acquiring positions
- Lightweight
- Compensation of platforms slow movements
- Cost-effective solution
- Zero intrusion into cabin space (“all inside design”)
- Harsh environments
- Free of License – No ITAR components

APPLICATIONS

- Land and maritime
- Situational awareness and security
- Coastal and borders surveillance

TECHNICAL SPECIFICATIONS

Key performance

System	One-axis pan platform (azimuth)
Excursion range	Pan: Unlimited (slip-ring)
Rate	0,01 - 180°/s
Rate resolution	0,001°/s
Acceleration	< 200°/s ²
Position resolution	0,0001°
Position accuracy	Pan : 0,05°
Brakes	Azimuth motors with brakes
Communication	RS422

Payload physical and electrical interfaces

Maximum payload	30kg (ground fixed or on the move with balanced payload)
Payload connection	D38999 connectors
Power input	20-33VDC
Communication for payload	RS422

Turret physical and electrical characteristics

Turret weight and dimensions	22kg , 290mm (height) x 220mm (width) x 550mm (length)
Payload connection	D38999 connectors
Power input	20-33VDC
Power consumption	<25W servo on, no movement <70W peak at 20°C (increases between [-40°C;-10°C])

Environmental conditions

Compliant with MIL-STD-810, MIL-STD-416

Operating temperature (storage)	-32°C to +71°C (-40°C to +80°C)
Shocks	10g, 11ms
Degrees of protection	IP65

Options

Customized slip-ring, color, mechanical interface, maritime version (IP67)