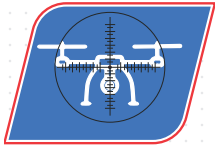




**RADIO COMMUNICATION**



**ELECTRO-OPTIC**



**C-UAS**

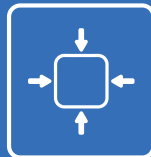


PEL's **Arjun Series** of Dual-Axis positioners provides accurate alignment for Radio Antenna, electro-optic systems, C-UAS systems, etc. A precision machined aluminum alloy enclosure contains a rotating base with an elevation arm and built-in controller. It can be guided manually, semi-automatically or fully automatically. The Pan-Tilt system can be mounted on a portable Tripod, Telescopic Mast or on a fixed structure.

## OUR USP's



Designed for MIL STDs



Rugged, Compact and Low Weight Construction



Built-in Controller Provides Smooth and Precise Motion at all Speeds



Auto Tracking via Special Control Algorithms



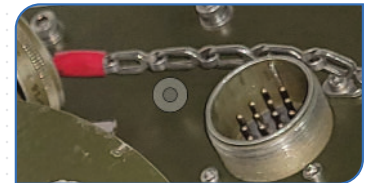
High Degree of Customizations Available

### Sailent Features

- Supports fixed and deployable (On-the-Quick-Halt) use cases
- High performance and compact design
- Control via RS232/422 or Ethernet
- Pan: +/- 180° or 360° via slip ring
- Tilt: up to +/- 90°
- Easy to integrate with external C2 systems
- GNSS Integration (Optional)



Tilting Arrangement



Power & Data Connector

**5+** Types of Dual Axis Positioner Developed

**10+** Years of Experience

**100+** Production Capacity per Month

**AS 9100D:2016** Quality Certified  
**ISO 9001:2015** Manufacturing



# TECHNICAL SPECIFICATIONS

## DUAL AXIS POSITIONERS (PEDESTALS)

Model No.	Payload (Kg)	Unit Wt (Kg)	Dimensions (mm)	Power Consumption	Rotational Range	Tilt Range	Positional Accuracy	Speed (RPM)	Control Data Interface	Wind Area (m <sup>2</sup> )
PDAP-5	5	~ 6	245 x 220 x 144 (W x H x D)	24V DC 30 W Nominal	"Sector scan $\pm 180^\circ$ Continuous 360° (optional)"	(-90) to (+35)	0.1°	Azimuth: 1 to 20 Elevation 1 to 10	RS422 (Ethernet-Optional)	0.2
PDAP-10	10	~ 12.5	290x160x250 (LxWxH)	24V DC (20V to 28V)	Sector scan $\pm 180^\circ$	$\pm 20^\circ$	0.1°	Azimuth: 1 to 20 Elevation 1 to 10	RS485/422 (Ethernet optional)	0.4
PDAP-25	25	~ 16	335 x 266 x 370 (W x H x D)	18-36V DC 80W Nominal	Sector scan $\pm 180^\circ$	$\pm 20^\circ$	0.1°	Azimuth: 1 to 20 Elevation 1 to 10	RS422 (Ethernet-Optional)	0.4
PDAP-50	50	~ 26	435 x 312 x 390 (W x H x D)	24V DC 200 W Nominal	"Sector scan $\pm 180^\circ$ Continuous 360° (optional)"	$\pm 20^\circ$	0.1°	Azimuth: 1 to 30 Elevation 1 to 15	RS422 (Ethernet-Optional)	0.5

### CARRYING CASES: SOFT/HARD



Roto Mould/ FRP

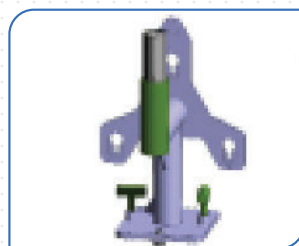


Plastic Injection Moulding

### PAYLOAD ADAPTER (OPTIONAL)



Dual Mounting



CG Offset



Adapter

