

AZIMUTH OVER ELEVATION POSITIONER

Model No.: SC-ADEP-000-00



Products:

- Stabilized Platforms
- Gimbals
- Positioners
- Pointing Systems
- Pan Tilt Units
- Radar Subsystems
- Electro-Optical Systems
- Opto-Mechanical Systems
- Motion Controls Systems
- Test Benches

Services:

- Engineering Design & Development
- Electronic Testing & Assembly
- CNC Machining & Manufacturing
- System Integration

Azimuth over Elevation Positioner is a lightweight and compact size Airborne Dual Axis Positioner, ideal for mounting in Aircraft or Chopper for Airborne/ Maritime surveillance. It is designed to operate with payloads weighing up to 10 kg. Powerful BLDC motors through proper electronic circuits gives a controlled programmable rotation, position and provides the rotation and elevation to the Airborne Dual Axis positioner. It is provided with suitable safety features like limit switches, emergency stop, mechanically and electrically operated Electromagnetic brakes, drive power cutoff for maintenance etc. The System comes with ON-LINE and OFF-LINE diagnostics facility in addition to the Power on self-test and desktop based test software for stand-alone testing.

Technical Specifications

Azimuth	: N x 360°
Elevation	: -5° to +15°
Orthogonal	: < 3 mrad
Payload	: Maximum 10 kg
Azimuth Scanner Weight	: < 15 kg
Angular Accuracy	: ± 0.1
Azimuth	: 1°/sec to 180°/sec
Elevation	: 1°/sec to 90°/sec
Communication	: RS422 & MIL-STD-1553B
Power Supply	: 28 VDC
Power Consumption	: < 500 W

