

Axsys Technologies manufactures high performance Pan and Tilt Mechanisms for surveillance, defense and homeland security applications. Axsys' direct drive torque motor technology ensures true zero backlash operation.

APS-100 OPERATING PARAMETERS INCLUDE

Operating Voltage	16 – 32VDC
Peak Current	10 Amps/5 Amps per axis
Operating Temperature	-25°F to +158°F (-32°C to +70°C)
Pan Speed	0.01 to 300°/sec
Pan Angle	Continuous
Tilt Speed	0.01 to 300°/sec
Tilt Angle	±60°
Resolution	±0.005°
Position Repeatability	±0.01°
Position Accuracy	±0.1° Min.
Backlash	None
Payload	50 lbs. (22.7 kg.) Max. each side
Continuous Torque	2500 oz-in (17.65 N-m) @ 24VDC
Weight	60 lbs. (27.2 kg.)
Environmentally Sealed	IP66



This precision positioning mechanism, shown with optional cameras, was developed to precisely position one or two cameras. It utilizes brushless torque motors and high accuracy resolvers directly coupled to the payloads providing stable, maintenance-free operation. Our mechanisms provide precise operation with slew rates from 0.01 degrees per second to 300 degrees per second. A slip ring provides for continuous rotation in the pan axis.

OPTIONS

- marine package
- gyro-stabilization
- ethernet/IP

For your specific requirement contact ad-sales@axsys.com

