

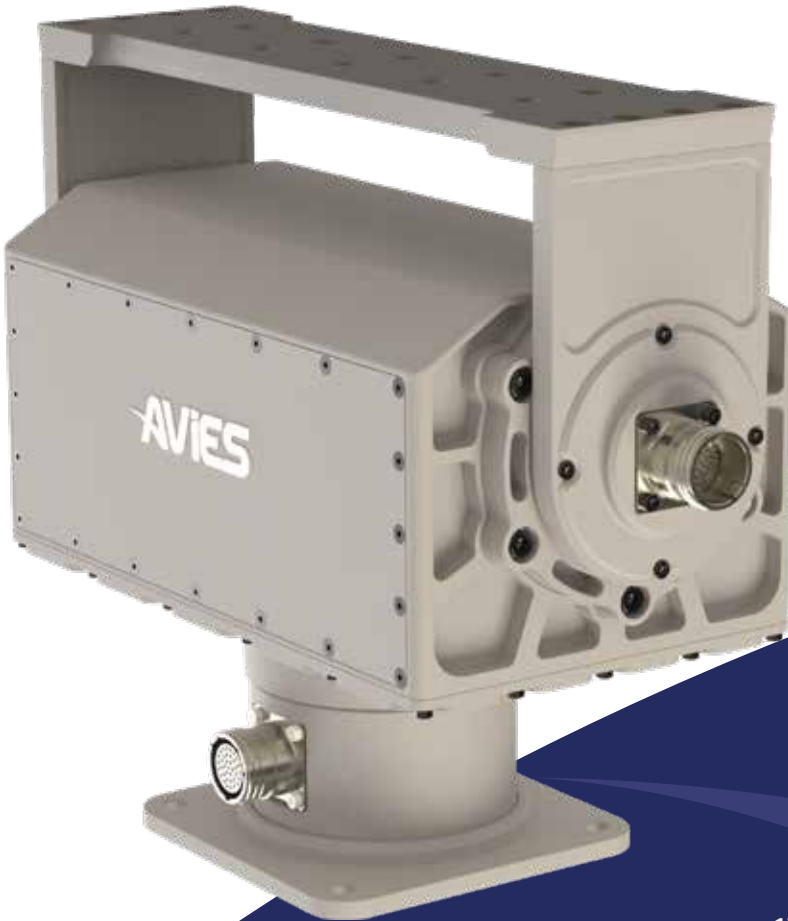


MPS-100

Motorized Pan&Tilt System

High Torque
Ultra Performance
Precise Positioning

MPS is a Pan&Tilt unit with Stabilization Feature that enables target tracking electro-optical payloads to perform precise positioning and repeating tasks perfectly.



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The purpose of the MPS Series Pan&Tilt Unit is to precisely position different sensor units. **Up to 45 kg** of payload can be accommodated by it. With a small design and military-grade construction, MPS Pan&Tilt units can withstand a wide range of challenging conditions.

It provides integration to meet your stabilization needs. Expanded velocity control offers the MPT finer resolution of speed and acceleration control, ultimately improving tracking and scaling applications.

Technical Specifications

Payload Rated Load Torque (Elevation)	70 Nm
Power Consumption Max (P&T move) / In-Rush / Standby	100 W / 40 W / 15 W
Operating Voltage Range	24-36 VDC
Azimuth(Pan) -> Range of Travel - Speed	n × 360° (Continuous Rotation) - 90 °/s
Elevation(Tilt) -> Range of Travel - Speed	180° (+90°/-90°) - 18 °/s
Minimum Incremental Move (Az and/or El)	0.005°/s
Encoder Type / Position Feedback	Absolute / 0.005°
Position Resolution	0.02°
Position Repeatability	0.02°
Construction	100% CNC Machined Materials (Al6000,SS)
Drive System	BLDC Motors
Exterior Finish	Powder Coat Black (Default), Special Finishes Available
Weight	8 kg
Dimensions	300 x 355 x 210 mm
Operating Temperature	-35°C to +55°C
Storage Temperature	-40°C to +60°C

Application Areas

- Surveillance and Security
- Radar Systems
- Land Weapons Systems
- Robotics

Qualifications

- MIL-STD-810G
- MIL-STD-461G
- IP67



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Specifications are subject to change without any notice. All tolerances are within ±10%.

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