



MERCURY POSITIONER

FIXED AND MOBILE APPLICATIONS



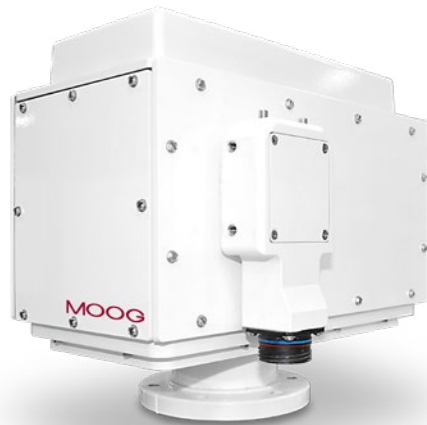
Mercury is a dual-channel HD-SDI rugged positioner designed for both mobile and fixed applications. The positioner is intended to hold multiple balanced payloads up to 50 lb/mobile and 75 lb/ fixed and is ideal for dual sensor EO/IR applications.



KEY FEATURES

- Extremely ruggedized, built to withstand extreme environments
- Continuous 360° rotation
- Networked IP control
- Dual channel HD-SDI pass through video channels
- Payload Weight - Fixed 75 lb (Balanced)
- Payload Weight - Mobile 50 lb (Balanced)
- Easy integration with Moog's PTZ Protocol or Pelco-D

MERCURY POSITIONER



SYSTEM PERFORMANCE

Load Capacity	Mobile mounting: 50 lb balanced load Stationary mounting: 75 lb balanced load
Operating Voltage Range	24 to 28 VDC, 24 VDC Nominal
Operating Current	<8.0 A peak, <6.0 A continuous (simultaneous pan & tilt movement with payloads); <2.1 A Standby
Pan-Axis Range	360° continuous rotation (Dual HD-SDI slip ring)
Pan-Axis Speed	0.005°/sec to 100°/sec
Tilt-Axis Range	180° (±90°)
Tilt-Axis Speed	0.005°/sec to 100°/sec
Operating Temperature	-32° to +55 °C (-25.6 ° to 131 °F)
Position Resolution	0.01°
Repeatability	0.05°
Motor Type/Drive	Stepper Motor/Belt Drive
Communication to Pan & Tilt	IP and Serial (RS232/422)
Control Protocol	Moog PTZ or Pelco D
Connector Specifications	Mil-Spec 53 Conductor D38999
Load Connector Interfaces	Mil-Spec 53 Conductor D38999
Weight	46 lb (20.9 kg) base unit (no payload wings)
Test Cable and Software	6 ft. test cable
Power Supply	Available upon request

MERCURY POSITIONER ACCESSORIES

Part Number	Description
CC62131	Kit, Mercury Wings and Payload Interface
CC56545	Base Cable, 53 Socket to Flying Leads (available in various lengths)
4-65741	PTU Standoff Adapter

MOOG

+1.847.498.0700 | www.moogS3.com | s3insidesales@moog.com



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