

# Two Axes Stabilized Launching Platform Series iPSC-SLP

## Features

- Multi Purpose Gyro Stabilized Launcher Platform
- Design adjusted to customer specific payloads (missiles, smoke grenades, mortar grenades etc.)
- Two-axes stabilized platform: azimuth and elevation axes control
- Gyro stabilization, GPS localization
- Integrated daylight/IR camera or laser range finder as an option
- Designed to operate in harsh environment on trucks and under naval conditions on speed boats.
- Integrated direct torque drives or gearbox drives, depending on dynamics requirements
- Georeferencing as option
- Several interfaces available for easy integration: Ethernet (TCP/IP / UDP), CAN, RS422/232



## Technical Data iPSC-SLP-201:

Angular Positioning Rate:	$\pm 300$ °/s
Angular Acceleration:	$> 300$ °/s <sup>2</sup>
Positioning Resolution:	$< 1$ arcmin (0.016 °) or TBD (down to 1 arcsec)
Linearity / Scale factor error:	$< 0.01$ %
Accuracy in Position:	$< 3$ arcmin (0.05 °) in respect to base (relative) or absolute against inertial reference
Size:	depends on payload (payload weight from 2 kg up to 500 kg or TBD)
Angular freedom:	azimuth rotation angle unlimited, elevation -60...+240 ° or TBD
Slip Rings:	for housekeeping data and payload operation
Interfaces:	Ethernet / CAN / RS232/422 for command and read-out of stabilization and control
Inertial sensors for stabilization:	standard: iVRU-FC; option iOLFOG-S-D or iMGYR-SN or TBD option: georeferencing system of type iTraceRT-F200 or iNAV-FMS or iNAV-FJI as option to aid the IMS on surface vehicles
Odometer input:	
Connector:	MIL-C-38999-III, TNC
Temperature:	-40...+71 °C operating and -56...+85 °C storing (or TBD)
Environment / MTBF:	IP67 / 30.000 hrs (estimated)
Size, Weight:	TBD kg
Power:	24 V DC or 115 V AC or 230 V AC (factory set) or TBD
Export Restrictions:	depending on operation, payload and destination; no ITAR

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