

POS LVX-120

POS LVX-120 GNSS-INERTIAL SOLUTION FOR ROBUST MOBILE MAPPING AND POSITIONING

The POS LVX-120 is a turn-key GNSS-inertial solution that supports two GNSS antenna heading for the highest accuracy in all dynamic conditions, and includes the all new Applanix IN-Fusion+™ GNSS-aided inertial firmware featuring Trimble ProPoint™ GNSS technology.

Real-time positioning and mapping applications require robust RTK positioning information immediately and in all phases of operation from stop-and-go traffic to highway speeds.

With a compact footprint, ease of integration, and fast setup, the POS LVX-120 uses onboard inertial sensors calibrated with the Applanix SmartCal™ software compensation technology for superior performance to meet the needs of ground vehicle applications in fleet management, rail, mobile mapping, and pavement management.

Easily integrated with many types of sensors including optical, infrared, and LiDAR, the

POS LVX-120 delivers high accuracy positioning and orientation in a small, lightweight form factor.

The POS LVX-120 product uses state-of-the-art, low noise, multi-frequency Trimble Maxwell™ GNSS technology, and tracks all current satellite signals including GPS L1/L2/L2C/L5 and GLONASS L1/L2, QZSS, Beidou, IRNSS, and Galileo, and supporting SBAS, RTK, and Trimble CenterPoint® RTX™ positioning modes.

The POS LV-120 is tightly integrated with POSpac Mobile Mapping Suite, Applanix' industry-leading software for accurately geolocating mobile mapping sensors. Optimized for all environments and platforms (air, land, and marine), and compatible with a variety of mapping sensors, this smart software solution achieves both maximum accuracy and efficiency.

Key Features

- ▶ Cost effective and high-performance position and orientation solution in a small form factor enclosure
- ▶ Fully integrated, turnkey solution for efficiency and ease-of-use
- ▶ Stable, reliable and repeatable positioning solution for land-based mobile mapping and positioning
- ▶ Next generation, survey-grade GNSS receiver
- ▶ Two antenna heading support
- ▶ Applanix SmartCal™ compensation technology for superior position and orientation performance
- ▶ Next generation Applanix In-Fusion+™ GNSS-inertial firmware featuring Trimble ProPoint™ GNSS Technology



