

# NGC-Inertial Navigation System

The Kratos INERTIAL NAVIGATION SYSTEM (INS) NGC-SEN-4-VN-### is available in two forms; Tactical and Transportable antenna systems. This integration base package includes inclinometers, compass, & GPS.

Conveniently packaged in a single environmental package, including the antennas and controller, the NGC-SEN-4-VN-### is designed to provide optimal performance in a cost effective, easy to access and mount package. The NGC-SEN-4-VN-### package is tightly integrated within the NGC algorithms for seamless operation.

This system provides a very high positioning accuracy for mobile antennas connected to the NGC antenna controller.



Specifications	
Heading Solution	Differential GPS
Receiver Type	Dual 72 Channels, L1, GNSS
Horizontal Position Accuracy	2.5m RMS
Vertical Position Accuracy	5.0m RMS
Dynamic Accuracy (Heading, GPS Compass)	0.3° RMS
Dynamic Accuracy (Pitch/Roll)	0.1° RMS
Time to Heading Fix	< 180 seconds
Repeatability	0.1°
Time to First Fix (cold/warm start)	26s
Time to First Fix (hot start)	< 1s

  

Environment	
Operating/Storage Temperature	-40° to +85°C

## KEY FEATURES

- No Calibration Required
- ITAR Free
- Coupled position & attitude estimates
- Discretely mounted, easy access
- Pre-connecterized for Field Replaceable Units (FRU)
- Protected internal cabling
- Modular & Upgradeable Design
- Supports all available NGC Features & Options



1120 Jupiter Road, Suite 102  
Plano Texas 75074  
USA

t: +1-214-291-7654  
f: +1-214-291-7655  
e: [Space@KratosDefense.com](mailto:Space@KratosDefense.com)

for information visit: [www.KratosDefense.com](http://www.KratosDefense.com)

© 2020 Kratos Defense & Security Solutions, Inc.